



Digitized by the Internet Archive
in 2014

<https://archive.org/details/b19974760M3644>



The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALE - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

3490
L. CXLVI

DECEMBER 28, 1946

Annual Subscription (with
Diary) 25/- Single copies 9d.

Lilly

Greetings,

and

Wishes most sincere

is the New Year Message of

LILLY of BASINGSTOKE

*being advertised
again this winter*

Wright's

COAL TAR INHALER AND VAPORIZER

for quick relief from

**COLDS
INFLUENZA
BRONCHITIS
WHOOPIING
COUGH
CATARRH ETC.**



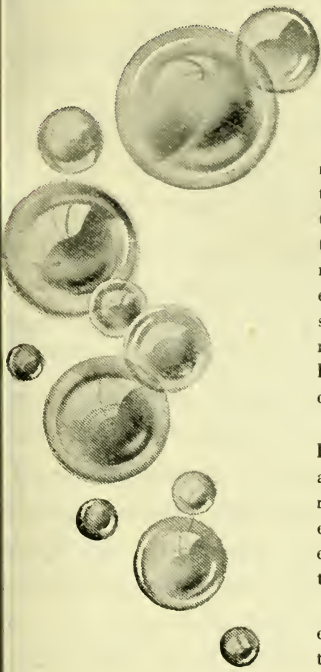
Complete with full size
bottle of Vaporizing Liquid - Retail 6/-
Vaporizing Liquid Refills - Retail 1/2½
Spare absorbent blocks - Retail 7½d. each

Making a re-appearance in the National Press this Autumn and Winter, publicity for Wright's Coal Tar Inhaler and Vaporizer will help to develop valuable business.

Wright's Coal Tar Inhaler and Vaporizer — eminently suitable for the relief of colds, catarrh, and like congestive conditions — should be well and prominently displayed. It offers good sales returns and terms.

WRIGHT, LAYMAN & UMNEY LTD. SOUTHWARK LONDON S.E.1

YOUR REPUTATION IS NO BUBBLE !




Shakespeare's soldier, valiantly seeking the bubble reputation even in the cannon's mouth, is a far cry from the hard facts of commercial practice. To you, reputation is no bubble. It is the hard-won virtue upon which the popularity of your product is founded. But it does not end there. It is a virtue that must be as closely controlled as the manufacture of your product. The slightest variation in your established quality . . . the merest deviation from an essential specification and, before you know where you are, your product is in danger of losing its popularity — and you your reputation.

That's quite a responsibility for any man to carry — but one that Monsanto, in preparing their products, readily accept without a qualm. But then, Monsanto have good reason to accept it. Every batch of every Monsanto chemical is *double-checked* by our highly skilled control chemists before a single pint or a single pound is delivered to your works.

But there's even more to it than that : most Monsanto chemicals are prepared to much closer specifications than those required by B.P. or B.S.I. So, with a high standard to start with, and with that high standard as an integral part of your formulae, you will readily appreciate the important part that *double-check-controlled* Monsanto chemicals play in helping you to maintain your reputation.

Monsanto Chemicals Limited, Victoria Station House, London, S.W.1. Phone : Victoria 2255. Grams : Monsanto Sowest, London.



MONSANTO
CHEMICALS

Aspirin
Phenol
Phenacetin
Methyl salicylate
Sodium salicylate
Benzoic acid
Sodium benzoate
Lysol
and many others

SERVING INDUSTRY WHICH SERVES MANKIND

Trade in Transition

Change is the order of the day. There are shifts in the social wage structure. Purchasing power is undergoing a change and values are far from stabilised. The trend of many a market is in the balance. New lines are being marketed and old lines which disappeared during the war are re-appearing in uncertain quantities but without the backing of really powerful advertising to ensure their re-establishment. In fact running a retail business just now is like navigating a ship in an imperfectly charted sea.

What does a chemist look for in his dealings at a time like this? What do *you* look for when the stocking of a line is under consideration and you must decide how much of it to carry? Is it not the reputation of the manufacturer who sponsors that line? Does he understand your business governed by today's shifting trends? And has he judged right in the

past few years the avenues of opportunity to maintain or increase sales? In short does he produce *selling* lines?

In all the fog of cross trends, new values, new public needs and preferences tempered with inadequate supplies, three lines have consistently made solid progress and returned a progressively increasing nett to your till. They are Simpson's Foot Ointment, Simpson's Liniment and Simpson's "Nilblain". Other Simpson products, in early stages of development, are following exactly the same course. They are sales-tested pharmacy products. They are backed by well-informed marketing knowledge and an undertaking to relieve you of surplus end-of-season stock should this be necessary. And they are all C.P. products which carry a liberal margin of profit. You're safe in handling Simpson's products. They offer *every* safeguard against an assured turnover.

Announcement by

J. W. SIMPSON (Chemist) Ltd. IODINE HOUSE, MUSEUM STREET, W.C.

You'll
be glad to
say 'Yes'—



CROOKES HALIBUT OIL

Standard Bonus Parcels

PARCEL G 12 x 15 c.c. Drops @ 5/- Retail Less 25%	£ 1 s. d.	BONUS
	3 0 0	1 x 15 c.c. Drops
	15 0	RETAIL VALUE 5/-
* Amount of cash with order	2 5 0	
	4 6	
	*2 0 6	
PARCEL H 36 x 5 c.c. Drops @ 2/- Retail Less 25%	3 12 0	3 x 5 c.c. Drops
	18 0	RETAIL VALUE 6/-
	2 14 0	
* Amount of cash with order	5 5	
	*2 8 7	
PARCEL J 12 x 30 c.c. Drops @ 9/- Retail Less 25%	5 8 0	1 x 30 c.c. Drops
	1 7 0	RETAIL VALUE 9/-
	4 1 0	
* Amount of cash with order	8 1	
	*3 12 11	
PARCEL K 72 x 5 c.c. Drops @ 2/- Retail Less 25%	7 4 0	12 x 5 c.c. Drops
	1 16 0	RETAIL VALUE £1 4 0
	5 8 0	
* Amount of cash with order	10 10	
	*4 17 2	
PARCEL L 12 x 100 Capsules @ 8/6 Retail Less 25%	5 2 0	1 x 100 Capsules
	1 5 6	RETAIL VALUE 8/6
	3 16 6	
* Amount of cash with order	7 8	
	*3 8 10	
PARCEL M 36 x 100 Capsules @ 8/6 Retail Less 25%	15 6 0	3 x 100 Capsules
	3 16 6	RETAIL VALUE £1 5 6
	11 9 6	
* Amount of cash with order	1 3 0	
	*10 6 6	
PARCEL O 24 x 100 Capsules @ 8/6 Retail 12 x 25 Capsules @ 2/6 Retail Less 25%	10 4 0	2 x 100 Capsules
	1 10 0	RETAIL VALUE 17/-
	11 14 0	
* Amount of cash with order	2 18 6	
	8 15 6	
	17 7	
	*7 17 11	

when your customers ask for CROOKES HALIBUT OIL

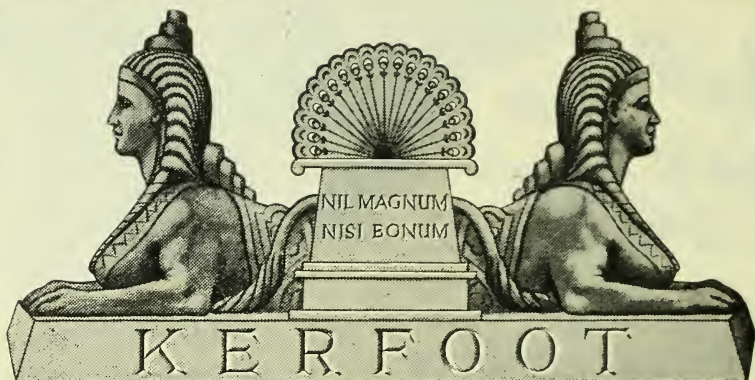
The unprecedented demand for dressed window displays and individual showcards renders it impossible for us to guarantee meeting all requests.

P.A.T.A.

TERMS OF SUPPLY: 1. Bonus in kind will be allowed only when one or more standard parcels G, H, J, K, L, M, O are ordered. 2. The order must be accompanied by cash. No pro-forma invoices can be issued. 3. Orders for broken parcels or unaccompanied by cash will not be entitled to bonus in kind, nor can the special discount of 10% be allowed. 4. Bonus in kind cannot be allowed on any other Halibut Oil products. 5. Orders for bonus parcels cannot be accepted by telephone. 6. No exceptions or variations to these terms can be made in any circumstances.

THE CROOKES LABORATORIES LIMITED
RICK ROYAL
LONDON, N.W.10

For B.P. and B.P.C. TABLETS



THOMAS KERFOOT & CO. LTD., VALE of BARDSLEY, LANCASHIRE

K33

Casbury's BOURN-VITA

FOR SLEEP — AND ENERGY



INDEX TO ADVERTISERS

Finised Basic Chemicals, Ltd.	14
len, Stafford, & Sons, Ltd.	17
glo-African Shipping Co. (S.A.), Ltd.	13
glo-Dutch Pharmaceutical Co., Ltd.	xxii
iel Curlers	xxii
he Laboratories, Ltd.	v
hley & Weeks, Ltd.	xxiv
arker, R., & Son, Ltd.	xx
yer Products, Ltd.	i
ar Honey Co., Ltd.	xiv
ulah, J. & J., Ltd.	26
echwood Industries, Ltd.	xviii
ll & Sons, Ltd.	xiii
nger's, Ltd.	16
njamin, M. L., & Co.	22
x, W. H.	xiv
annan, S., & Sons, Ltd.	ix
ish Cod Liver Oils (Hull & Grimsby), Ltd.	xx
ish Dental Sticks, Ltd.	xvii
ish Drug Houses, Ltd., The	5
ish Felsol Co., Ltd.	Cover iv
ome & Schimmer	iv
ooks Appliance Co., Ltd.	xi
ooks, R., & Co.	iv
ockley-Bowker Tablet Co., Ltd.	xvi
rrough, James, Ltd.	Leader Page
rroughs Wellcome & Co.	27
ro, Beach & Gent, Ltd.	iv
sto, Ruperto	iv
lbury Bros., Ltd.	4
thorpe, M., & Co., Ltd.	xx
ford Toilet Supplies, Ltd.	xxii
y & Abraham, Ltd.	8
ites & Cooper, Ltd.	xi
nsolidated Glass, Ltd.	iv
ntinental Laboratories, Ltd.	11
rk Trade Association	15

Cow, P. B., & Co., Ltd.	xi
Cox, Arthur H., & Co., Ltd.	8
Croda, Ltd.	14
Crookes Laboratories, Ltd.	3
Cross & Max	Leader Page
Cupal, Ltd.	xxi
Cuticura Preparations	21
Dae Health Laboratories, Ltd.	vi
Dales Aspirin Co.	15
Daniel, Richard, & Son, Ltd.	13
Devon, D.	15
Distillers Co., Ltd.	15
Dunlop Hot Water Bottles	x
Dyanese, Ltd.	xii
Edge, Win., & Sons, Ltd.	14
Emsa Works & Herbert Foot Appliance, Ltd.	xii
Esco (Rubber), Ltd.	xx
Eueryl, Ltd.	xx
Evan Williams Co., Ltd.	xxiii
Faylene Manufacturing Co.	26
Field & Co. (Aromatics), Ltd.	xvi
Freudentheil, Smith & Co.	Leader Page
Gibson, Robert, & Sons, Ltd.	12
Glass Container Co.	xiv
Gosheron, John, & Co., Ltd.	xiii
Guest, Thos., & Co., Ltd.	10
Harcoombe-Cooper Sales, Ltd.	xix
Harvey & Co. (Dublin), Ltd.	Leader Page
Harwoods Laboratories, Ltd.	6
Hough, Hoseason & Co., Ltd.	10
Howard Lloyd & Co., Ltd.	18
Ilex Supply Co., Ltd.	xix
International Chemical Co., Ltd.	23
International Laboratories, Ltd.	vii
Janssen's Herbal Tablets, Dr.	xvii
Jarvie, Hugh, & Co., Ltd.	iii

MERSALYL B.D.H.

MERSALYL B.D.H. complies with the specification for Mersalyl B.P.

Mersalyl B.D.H. is a diuretic of high activity and low toxicity; it is indicated in the treatment of oedematous conditions, particularly those complicating cardiac disorders. Modes of issue: in ampoules of 1 c.c. and 2 c.c. of a 10 per cent. solution for intravenous or intramuscular injection (Injection of Mersalyl B.P.) and in the form of tablets and suppositories. Mersalyl B.D.H. is being advertised to the medical profession, and pharmacists will be well advised to keep an adequate stock in readiness for all demands.

PRICES

For parenteral administration.

Box of 6 x 1 c.c. ampoules	Wholesale per doz.	28/-	Retail	3/6	} Not subject to Purchase Tax
" " 12 x 1 c.c. "	" " "	52/-	"	6/6	
" " 6 x 2 c.c. "	" " "	44/-	"	5/6	
" " 12 x 2 c.c. "	" " "	84/-	"	10/6	

For rectal administration.

Suppositories containing 0.4 grm.	Box of 6 Wholesale per doz.	58/-	Retail	7/3
-----------------------------------	-----------------------------	------	--------	-----

For oral administration.

Tablets containing 0.08 grm.	Bottle of 20 Wholesale per doz.	30/-	Retail	3/9
------------------------------	---------------------------------	------	--------	-----

THE BRITISH DRUG HOUSES LTD. LONDON N.1

INDEX—(con.)

<i>(continued overleaf)</i>	
Jobling, J. A., & Co., Ltd.	ix
Johnson & Johnson (G.B.), Ltd.	22
Kay Bros., Ltd.	xv
Kerfoot, T., & Co., Ltd.	4
King, G., & Co., Ltd.	xix
Knox Laboratories, Ltd.	11
Knox, John (Stoke-on-Trent), Ltd.	26
Lax & Shaw, Ltd.	viii
Lilly, Eli, & Co., Ltd.	Front Cover
Liverpool School of Pharmacy	Leader Page
London & Provincial Factors, Ltd.	xii
Lusty's Natural Products	xxii
Madelox, Ltd.	xxii
Marshall's Proprietaries, Ltd.	26
Mather, Wm., Ltd.	Cover iii
Maurice, Louis, & Co., Ltd.	22
Monsanto Chemicals, Ltd.	i
Moore Medicinal Products, Ltd.	xvii
Musterole Fine Products, Ltd.	xxi
Napp, H. R., Ltd.	Leader Page
Niblett, C. P.	Leader Page
Oxo, Ltd.	28
P.A.C. Chemicals, Ltd.	xvi
Palestine Potash, Ltd.	ii
Ponds Extract Co.	24
Poplar Glassworks, Ltd.	x
Porteus, Geo., & Sons (Leeds), Ltd.	x
Potter & Clarke, Ltd.	25
Pratt, Sir John, & Co.	xxi
Pritchards, Ltd.	xiv
Rabok Manufacturing Co., Ltd.	xvii
Reed Bros. (Engineering), Ltd.	x
Rendell, W. J., Ltd.	.....
Reuter, R. J., Co., Ltd.	.....
Roberts' Patent Filling Machine Co., Ltd.	.....
Rodmill Chemical Co., Ltd.	.....
Rona Laboratories, Ltd.	.....
Roura & Forgas, Ltd.	.....
Sale, Tilney & Co., Ltd.	.....
Sangene, Ltd.	.....
Savory & Moore, Ltd.	.....
Scott, J. & K., Ltd.	.....
Selto (Eastbourne), Ltd.	.....
Sharp & Dohme, Ltd.	.....
Shrank, P., Ltd.	.....
Sigal, S., & Co., Ltd.	.....
Simpson, J. W. (Chemists), Ltd.	.....
Singer, Ernest M.	.....
Songo	.....
Southern Laboratories, Ltd.	.....
Splendor, Ltd.	.....
Stemco, Ltd.	.....
Suter, A. F., & Co., Ltd.	.....
Sutton, W. & Co. (London), Ltd.	.....
Thackray, C. F., Ltd.	.....
Thermogene Co.	.....
Twinkle Headache Powders	.....
Universal Brush Co.	.....
Velvet Crepe Paper Co., Ltd.	.....
Virdox, Ltd.	.....
Wander, A., Ltd.	.....
Ward, T., & Sons, Ltd.	.....
Warner, W. R., & Co., Ltd.	.....
Westminster Laboratories, Ltd.	.....
White, J. F., & Co., Ltd.	.....
Wilson & Mansfield, Ltd.	.....
Winox	.....
Woods	.....
Wright, Layman & Umney, Ltd.	.....

Known on both sides of the counter . . .

To both the chemist and his customers Serocalcin is now well-known, not only for the prevention but also for the treatment of colds. The demand at present is very great and every indication points to its continuing and increasing throughout the winter.

Your co-operation is sought in ordering your supplies. We are most anxious to give you good delivery service but, under present conditions, there may be unavoidable delays. So please look ahead and place your orders so that we have a margin of time in which to execute them.

SEROCALCIN

FOR THE PREVENTION AND TREATMENT OF COLDS

HARWOODS LABORATORIES LTD., WATFORD, HERTS. Phone WATFORD 4457



Counter attraction

A complete window display may not be possible these days, but an attractive display of Rendells Products on your counter will give confidence to regular purchasers and attract new customers who, seeing our advertisements, have become interested in the problems of feminine hygiene.

Display a complete range. They will tell a woman that you stock Rendells Products.

Santron and Silatex are in short supply but Rendells and Mensinole are not restricted.

Rendells PRODUCTS

FOR FEMININE HYGIENE

RENDELLS
SILATEX
SANTRON
MENSINOLE
RENDELL GELS

PATA

W. J. RENDELL LTD., 161, ROSEBURY AVE., LONDON, E.C1



The Laboratories,
BRIGHTON 7.

*To all our Pharmacist
Friends-at Home and
Overseas - we send Best Wishes for
"A Happy and Prosperous
New Year"*

ARTHUR H. COX & CO. LTD.

The New  *Barrier Cream!*

dermOclean

"NO MORE DIRTY HANDS"

Contains 0.2% p-chlor-m-cresol—

a powerful antiseptic and germicide

Applied to the hands, the imperceptible coating effectively prevents dirt from penetrating the pores. When hands are washed, the skin is clean and smooth.

A display on the counter appeals to a wide range of customers, such as the MOTORIST, GARDENER, HANDYMAN & HOUSEWIFE.

(Showcard Available)

Retail Price: 2/- per pot, including Purchase Tax.

TRADE PRICE: 13/6 per doz., plus 33 1/3% Purchase Tax.

C.A. 131a 12 doz.—12/- per doz., plus 33 1/3% Purchase Tax.



Our Abridged Price List is now available, on receipt of 1d. stamp to conform with Regulations.

CLAY & ABRAHAM LTD., Manufacturing Chemists, LIVERPOOL, 1

1 IT EXERTS A MARKED BACTERICIDAL ACTION

2 THE NORMAL PHYSIOLOGICAL ACTIVITIES OF THE TISSUES ARE NOT AFFECTED

3 PAIN IS RELIEVED BY ITS MILD, SURFACE ANALGESIC ACTION

SOLUTION S.T.37
12 FLUID OUNCES
SHARP & DOHME LTD.

AN AID TO THE NATURAL DEFENCE MECHANISM

While it is obvious that no antiseptic can completely kill all of the bacteria and on the membranes of the upper respiratory tract, nevertheless, many sections of the nose and throat are officially treated by the use of a non-toxic, non-irritating antiseptic.

Solution 'S.T.37' is of particular value in these conditions because it possesses high germicidal activity but at the same time has a very low tissue toxicity. Many of the bacteria are not

only killed by chemical means, but the defence mechanism against infection of the tissues themselves is not disturbed. In addition, Solution 'S.T.37' exerts a mild surface analgesic effect. Thus, the therapeutic action of Solution 'S.T.37' is three-fold when applied to painfully-inflamed tissues such as are found in acute naso-pharyngitis, pharyngitis, tonsillitis, and laryngitis. Solution 'S.T.37' is supplied in bottles of 3, 5 and 12 fluid ounces.

Solution 'S.T.37'

SHARP & DOHME LTD.
HODDESDON HERTS.

'SURE SHIELD'



Products

Due to shortage of supplies, combined with the curtailment of our staff, we wish to assure our many trade friends that we are using every effort to maintain an equitable distribution of our Products.

Please Note

- 1st. All Orders are forwarded in strict rotation, and we are now 15 weeks behindhand in delivery.
- 2nd. Due to the position, all additions can only be treated as separate orders.
- 3rd. When writing with reference to an order on hand, please give **exact date** when sent on.

"SURE SHIELD"

Registered Trade Mark

IODISED THROAT TABLETS
FRUIT LAXATIVES
GLYCERINE OF THYMOL
PASTILLES

PASTILLES — LOZENGES
TABLETS

Thos. Guest & Co. Ltd. *Manufacturing Chemists*
Carruthers Street, Manchester, 4

'HUFFS'

SWEETENED
GERM KILLING THROAT TABLETS
NEW ATTRACTIVE LABEL

Again extensively
advertised throughout
the country

ORDER NOW!

RETAIL 1/3 inc. Tax
Shewing 33 $\frac{1}{3}$ % profit to you

COST: 1 to 3 doz. 11/1 per doz. 6 doz. lots 10/6 per doz. 1 gross lots 10/3 per doz. All inc., P. Tax. 3 Dozen and over Carriage Paid.
BONUS: 13 to doz. 7 doz. and over. 5 to 10 gross lots—special rates.



Made by :-

HOUGH, HOSEASON & CO. LTD.

Manufacturing Chemists

LEVENSHULME - MANCHESTER, 1

MEMBERS OF THE P.A.T.A.

The Knox Policy

The Policy of the Knox Laboratories Ltd., has always been one of creating product confidence by giving users an assurance of satisfaction or money refunded.

To-day, in their Nation-wide advertising, all announcements carry this guarantee of honest trading and straightforward dealing.

**MONEY REFUNDED
IF DISSATISFIED**

if for any reason you are dissatisfied with Cystex, return empty package to Manufacturers at address below, and the purchase price will be refunded in full.

Cystex
THE KIDNEY TONIC

For KIDNEYS, BACKACHE
RHEUMATISM

AMPLE SUPPLIES
ARE NOW
AVAILABLE

All orders executed promptly
in full.

Mendaco

For ASTHMA
BRONCHITIS, HAY FEVER

KNOX LABORATORIES LTD., 81 LAMB'S CONDUIT STREET,
LONDON W.C.1

CODOFORME BOTOL TABLETS

(Indicated in all types of dry cough)

Owing to circumstances beyond our control, we regret that CODOFORME BOTOL has been in short supply, but we are now pleased to advise you that this preparation

**IS AGAIN AVAILABLE
IN PACKINGS OF 20 AND 250 TABLETS**

If any difficulty is experienced in obtaining supplies through the normal trade channels, you are invited to communicate with us.

PATA

CONTINENTAL LABORATORIES LTD.
101 GREAT RUSSELL STREET, LONDON, W.C.1

Telephone: MUSEUM 2042/3

*'Now, at last, some products are in fairly good supply

Dear Sir,

Looking back on the last 7 years, we have a lot to be thankful for despite all our trials, but one thing we value most is your sympathetic understanding. Faced by shortage after shortage, we have tried to distribute what we had fairly. Often your share has looked ridiculously small, but you have accepted it with a kindly nod and tried to pacify disappointed customers. Thank you. Now, at last, some products are in fairly good supply: ALKA-ZANE Compound, ANUSOL Suppositories and Ointment, VERACOLATE Tablets, VEGANIN Tablets and CAL-BIS-NATE Alkaline Powder.

ALKA-ZANE
ANUSOL
VERACOLATE
VEGANIN
CAL-BIS-NATE
VINCE
AGAROL

Of course, we cannot guarantee that no fresh shortage of ingredients or containers will hit any of these, but the present position is good.

VINCE Powder is short at the moment, for lack of containers, but that should soon be righted. The same applies to CAL-BIS-NATE. AGAROL Compound is still terribly short. The chief trouble here is lack of mineral oil of sufficiently high quality.

We will do all we can to meet your requirements and we do appreciate your unfailing co-operation.

Yours faithfully,

WILLIAM R. WARNER & CO. LTD.

POWER ROAD, CHISWICK, LONDON, W.4

The Chemists' Standard

GIBSON'S 'MECCA'

COUGH PASTILLES



ARAB SERIES

ROBERT GIBSON & SONS, LTD.
MANCHESTER & LONDON

CONTROL OF HEAD LICE

Nits and Head Lice can now be dealt with quickly and economically without unpleasant evidence of treatment.

An N.W.F. formula now being used extensively by Public Health Authorities.

'Semploria'

BRAND

MEDICATED (LETHANE) HAIR OIL N.W.F.

Insecticide for control of Nits and Head Lice

★

'SEMPLORIA' MEDICATED (LETHANE) HAIR OIL IS IN URGENT AND RAPIDLY INCREASING DEMAND

Retail (2-oz.) 1/1½d. including P.T.

List 8/- doz. Packed in 2-dozen outers

PATA

STEMCO LTD., 128, Albert Street, London, N.W.1

Agents in Eire—May Roberts (Ireland) Limited, Dublin

Serving the Industry



**TABLETS
PILLS
GALLENICALS**

● Our long experience as specialists has won a reputation for our extensive range of products in all branches of the industry.

*Richard Daniel & Son
Derby* LTD

MANUFACTURING CHEMISTS · DERBY 4266-8 · ESTABLISHED

1860

SOUTH AFRICA

For best possible service entrust the distribution of
your pharmaceutical products to

ALEX. LIPWORTH Ltd.

1-3 DE VILLIERS ST., JOHANNESBURG

DEPOTS THROUGHOUT THE UNION

Laboratories in the same organisation are also available
for Manufacturers of Pharmaceutical Proprietaries

For particulars apply to:

ANGLO-AFRICAN SHIPPING CO. (S.A.), LTD.

99-100 Fenchurch Street, LONDON, E.C.3

Telephone: ROYAL 8261

ISOCREME

ABSORPTION BASE

A neutral, non-ionising, pale and odourless cosmetic and ointment emulsifier producing stable water-in-oil emulsions resistant to acids, electrolytes, etc.

Isocreme is a universal cream base in which may be incorporated therapeutically valuable materials such as lecithin, vitamins, additional sterols (irradiated, for instance) hormones, carotene, penicillin and various extracts, and preserving all the therapeutic qualities of Lanolin. It can be used in large or small proportions in practically every type of cosmetic.

CRODA LIMITED

London Office
29 BEDFORD CHAMBERS,
COVENT GARDEN, W.C.2
Tel.: TEMPLE BAR 2063

Administrative Office
**CRODA HOUSE, SNAITH,
GOOLE, YORKS**
Telephone: SNAITH 77 (3 lines)
Telegrams: CRODA, GOOLE

Manchester Office
74 CORPORATION ST.,
MANCHESTER 4
Tel.: BLACKFRIARS 8015



WILLIAM EDGE & SONS Ltd
BOLTON ENGLAND

Dr. SPICER'S

MALTOBAR

(point-free)

The Malt Chocolate with Calcium, Hæmoglobin and Vitamin D having fine therapeutical properties and high food value

Obtainable from
Wholesale Chemists

AFFINED BASIC CHEMICALS LTD

259 ROMAN ROAD
LONDON, E.2

Telephone: ADVance 1103
Telegrams: Basicals, Beth, London



FOR PROTECTION
AGAINST **COLDS**



P.A.T.A.

COMPLETE COURSE 7/6
Inclusive of Purchase Tax
Trade Discount 33 1/3%

A product of **SOUTHON LABORATORIES LTD., LONDON, S.W.15.**

PSOBACTULIN
PROTECTION AGAINST COLDS

**6 CAPSULES TAKEN OVER 5 DAYS GIVE
MOST PEOPLE 3 MONTHS IMMUNITY**



POCKET CALENDARS

Placed on your counter these will promote good sales. Supplies available on request.

Sole Distributors :

CHAS. F. THACKRAY LTD.
Old Medical School, Park St. Leeds 1



*When packing or
purchasing Toilet or
Medicinal Preparations
see the bottle is sealed
in the best way -
i.e. by a cork the
natural closure.*

D. DEVON, Manufacturers of

'DEVON LILAC'
TALCUM POWDER

*Wish their friends at
Home and Overseas a*

Merry Christmas
and
Happy New Year

9 & 30 NORFOLK PLACE, LONDON, W.2.

D.C.L. VITAMIN B₁ YEAST TABLETS

Each ounce contains a natural Vitamin B potency equivalent to that of 25 mgm. Aneurin Hydrochloride, 1.4 mgm. of Riboflavin, and 5.6 mgm. Nicotinic Acid. Each tablet contains 100 I.U. (approx.) Vitamin B₁.

100 TABLETS 3/9d. 50 TABLETS 2/3d.
MANUFACTURED BY
THE DISTILLERS CO. LTD., EDINBURGH.



**Compressed
TABLET SERVICE**

WHOLESALE & EXPORT

Reasonable estimates.
Clients' own material operated if desired.

The ...
DALES ASPIRIN AND TABLETING CO.
Barrows Lane, STEETON, Yorks.

★ *Pharmacist and psychologist — the Chemist is both. His customers' purchases not only go into the medicine cupboard but sometimes give a glimpse of a skeleton there — troubles which the skill and wisdom of the Pharmacist does its best to overcome.*



Customers vary . . . here is the "Fussy" type.

Nothing organically wrong but there *will* be if worrying about his health undermines his digestion. The treatment, as you know, is a course of Benger's Food. It will give him nourishment he can absorb without digestive strain. He will sleep better and rest both his digestion and his nerves. Customers like this are loath to believe that they are "ill" . . . ***but you can invariably sell them Benger's***

90% of your customers
need Benger's Food and
are being educated to ask
for it.



STAFFALLENS

*Send New Year Greetings
to all their friends*

We are now fully at your service for the
highest quality—

DRUGS — MEDICINAL EXTRACTS
TINCTURES — ESSENTIAL OILS
RESINS — POWDERED GUMS

*— and invite your
inquiries for 1947*

StaffAllens

FOUNDED 1833

STAFFORD ALLEN & SONS LTD., WHARF ROAD LONDON, N.1. Phone: CLerkenwell 1000

TAS/AJ. 184 (b)



SPECIALISING IN

PILLS

CAPSULES

TABLETS

*for over
50 years*

It will pay you in price and quality to consult us about your requirements. The experience of over 50 years spent in specialist manufacturing enables us to render a service second to none whether to your private formulæ or to one supplied by us, whether delivered ready packed or in bulk, whether for Home or Overseas clients.

HOWARD LLOYD & CO. LTD.

WHOLESALE MANUFACTURING CHEMISTS

Home and Export

LEICESTER

Why you should Sell

WANDER

BRAND

MALT & COD LIVER OIL



OF UNSURPASSED QUALITY

THE supreme pharmaceutical excellence of Wander Brand Malt Extract and Cod Liver Oil, the outstanding preparation of its kind, has for many years been widely recognised by physicians.

The Cod Liver Oil used is the best obtainable and the malt extract is specially prepared by A. Wander Ltd., who are probably the world's largest producers of medicinal malt extract and are leading authorities upon its manufacture. These two ingredients are combined in the proportions most generally required by the medical profession.

Both in its attractive appearance and toffee-like flavour, Wander Brand Malt Extract and Cod Liver Oil is readily acceptable to children and adults. In every respect it is a product which the pharmacist can recommend with the fullest confidence.

On the P.A.T.A.*

Wholesale Prices: 1 lb. Jars **18/9**; 2 lb. Jars **35/6**

Exempt from Purchase Tax

Retail Prices: 1 lb. Jars **2/-**; 2 lb. Jars **3/10**

For further details write to:

A. WANDER, LTD.

5 & 7 Albert Hall Mansions

London, S.W.7

SOAP
SHAV
OINT
TALC



FOR THE RELIEF OF
RHEUMATIC CONDITIONS,
STIFF AND SWOLLEN JOINTS, BRUISES,
STIFF NECK, ETC.



PATA

From your C.F. Wholesaler,
or in case of difficulty,
from the manufacturer.

PACK	Retail (P.T. inc)	Trade per doz.	P.T. per doz.
Tins	3/4½	27/-	4/6
1 lb. Cartons	22/6	180/-	30/-

WESTMINSTER LABORATORIES LTD.

CHALCOT ROAD, LONDON, N.W.1.

Telephone: PRIMROSE 3395 6/7

**SOAP
SHAVING STICK
OINTMENT
TALCUM**



*-for Sensitive
Skins!*

Johnson & Johnson

(GT. BRITAIN) LIMITED

LARGEST SURGICAL DRESSING MANUFACTURERS IN THE WORLD

Makers of the famous 'ELASTIKON' elastic adhesive bandages and plasters, 'Zo' plasters, 'BAND-AID' adhesive dressings, N.H.I. dressings, 'NEAT-EDGE' non-fray W.O.W. bandages, suspensory bandages, crepe bandages, 'FAIRLIE' cotton wool, Red Chain and all B.P.C. and hospital quality dressings.

JOHNSON & JOHNSON (GT. BRITAIN) LIMITED
SLOUGH, BUCKS and GARGRAVE, YORKS.

Associated Companies :

JOHNSON & JOHNSON, New Brunswick, U.S.A.
JOHNSON & JOHNSON DE ARGENTINA, Buenos Aires
JOHNSON & JOHNSON, Chicago, U.S.A.
JOHNSON & JOHNSON LTD., Montreal, Canada
JOHNSON & JOHNSON (Ireland) LTD., Dublin
JOHNSON & JOHNSON DE MEXICO CITY
JOHNSON & JOHNSON (Proprietary) LTD., East London, S. Africa
JOHNSON & JOHNSON Pty., LTD., Sydney, Australia

Wholesalers and Sundriesmen

are invited to apply for
our New

PRICE

LIST and HANDBOOK

covering a wide range of
PRODUCTS ESSENTIAL
TO THE
CHEMISTS' SUNDRIES AND
HAIRDRESSING TRADES

LOUIS MAURICE AND COMPANY LIMITED
80, ISLINGTON HIGH ST., LONDON, N.1

REGD
Galjado

GREY HAIR POMADE

*A Combined
Dressing
for the Hair.*



*An Excellent
Tonic
for the Scalp.*

S. SIGAL & CO. LTD.

MANUFACTURERS OF EXCLUSIVE TOILET PREPARATIONS
47 TABERNACLE ST., LONDON, E.C.2

SPONGES

★ SHIPMENTS NOW TO HAND OF
HONEYCOMB AND TURKEY
SPONGES, FOR ALL PURPOSES
IN TOILET AND INDUSTRIAL USE

Prices on Application. Deliveries ex Stock.

M. L. BENJAMIN & CO.

45 OSWALD STREET, GLASGOW, C.1
TEL. No. - - - - - CENTRAL 5721

ANNOUNCEMENT

AS FROM 1st JANUARY, 1947

the address of the

**INTERNATIONAL CHEMICAL
COMPANY LTD.**

will be

CHENIES STREET, LONDON, W.C.1

PLEASE NOTE

new telephone number

MUSEUM 8080

(10 LINES)



POND'S

NEW PRICES

From January 1st, 1947, the prices of Pond's Creams and Face Powder will be increased. Prices for Pond's medicinal lines remain unchanged. New prices for Pond's Creams and Powders are as follows:

OLD PRICE

NEW PRICE (including Purchase Tax)

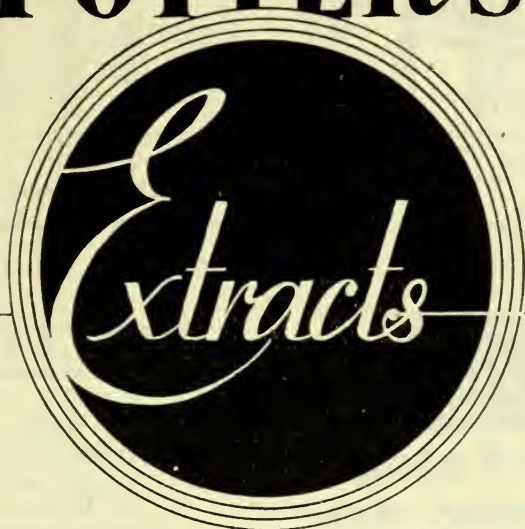
10½d.	-	-	-	-	1/2
1/9	-	-	-	-	2/2½
2/2½	-	-	-	-	2/7½
4/4½	-	-	-	-	5/3
8/9	-	-	-	-	10/6

POND'S EXTRACT CO., LTD.

PERIVALE : GREENFORD · MIDDLESEX

PATA.

POTTER'S



CONTINUOUS RESEARCH

SOLID — POWDERED — GRANULATED
—RETAIN THE FRESHNESS AND FULL THERAPEUTIC
VALUE OF THE DRUG.
—PREPARED AND STANDARDISED UNDER PHARMACEU-
TICAL CONTROL.

POTTER & CLARKE LTD.

60-64 ARTILLERY LANE, LONDON, E.1
77 DANTZIC STREET, MANCHESTER



POST-WAR MARKET NEWS

summarising post-war opportunities, special notices, new packaging and new products

THERE IS NOT SUFFICIENT

Beaulah's

FAMOUS
MALTED
MILK

FOR ALL THE PEOPLE
WHO WANT IT

Our policy therefore is to distribute
all available supplies to our Chemist
Friends only
In one popular size only at present
2/3

J. & J. BEAULAH LIMITED.
BOSTON, LINCS.



RAW MATERIALS

ALL GRADES FOR ALL TRADES

Including Manufacturing Chemists, Food-
stuffs, Mineral Water, Bakery and
Confectionery, Leather, Textile, Paper,
Laundry and Dry Cleaning, Cosmetics
and Perfumery.

HIGHEST QUALITY GUARANTEED

The Faylene Manufacturing Co:

15 QUEENS COURT, LOWER BRIGGATE,
LEEDS, 1

Phone

LEEDS 22594



Eau de Cologne and Beauty Aids

BLUE AND GOLD LABEL
MADE IN ENGLAND

enquiries to:-

PATA

R. J. REUTER COMPANY, LTD.
"4711" FACTORY, SLOUGH, BUCKS

HALMAGON

Brand

Tablets

**AIDS
MALNUTRITION**
Nature's
Cell Nutrient

Write for NEW Showcard

4-Tube Box ... 3/11½

15 " " ... 11/10
(Including Purchase Tax)

Sole Distributors:

MARSHALL'S PROPRIETARIES LTD.
127-133 HIGH ST., CROYDON, S.W.

A reputation for reliability . . .

Sentinel

ALL COTTON WOOL

SANI-TOWELS

"with the soft seamless knitted covering"

SIZES 1, 2, 3 AND MATERNITY also

"KUMFEX" SOLUBLE (all with loop ends)

★Supplies unfortunately restricted at present

SPLENDOR LTD. Nottingham & London

Dr. KNOX'S

RAPID COLD CURE

8oz. Retail 1/6 including Tax.

NOW IN GOOD SUPPLY

1 dozen - 10/- per dozen

3 dozen - 9/6 " "

12 dozen - 9/- " "

Plus ½ Tax.....P.A.T.A.

JOHN KNOX

(Stoke-on-Trent) Ltd.,
Cannon Street, Hanley.
Stoke-on-Trent

(Midland) Ltd.,
36/38 Dean Street,
Birmingham 5

'B.W.&Co.'

A MARK TO REMEMBER

In emergencies
'NICAMIDE'
BRAND
INJECTION OF NIKETHAMIDE

The well-known stimulant and restorative properties of 'Nicamide' make it an important item in the physician's emergency bag. Professional demands are frequent and often urgent—check your stocks regularly and see that your dispensing department is always ready to fill immediate requirements.

'NICAMIDE' Injection of Nikethamide

BRAND
2 c.c. ampoules, in boxes of 6, 25 and 100
5 c.c. ampoules, in boxes of 6 and 100

Also available :

'NICAMIDE' Solution of Nikethamide *(for oral administration)*

BRAND
Bottles of 15 c.c. (with pipette) and 100 c.c.



BURROUGHS WELLCOME & CO.

(THE WELLCOME FOUNDATION LTD.)

LONDON

ASSOCIATED HOUSES:
CAPE TOWN BOMBAY

NEW YORK
SHANGHAI

MONTREAL
BUENOS AIRES

SYDNEY
CAIRO

(T.17.)



P.A.T.A.

"MEDILAX"Trade Mark Brand
Laxative Pellets

Meeting the need for something more persuasive than ordinary laxatives, "Medilax" is imperative without being discomforting and, unlike drastic purgatives, does not induce a subsequent state of constipation which is often more acute than the first.

**"Dr. JENNER'S
ABSORBENT LOZENGES"**Trade Mark Brand
Digestive Tablets

Famous for 150 years for indigestion.

"MORYL"Trade Mark Brand
Carbachol

Powerful parasympathetic stimulant.
AMPOULES 3-10-100 TABLETS 20-50-250

"TETRONOX"

Trade Mark Brand

Reliable hypnotic and sedative.
10 & 100 TABLETS

**MARTINDALE
"E.S.T.P."**

Trade Mark Brand

Ether-Soluble Tar Paste

An advance in coal tar therapy. Of particular value in eczema in its varied forms. 2-oz. and 16-oz.

**MARTINDALE
"STERULES"**

Trade Mark Brand

Wide range of products for injection.

SQUIBB

"QUINOLOR"

Trade Mark Brand

Compound Ointment

Tissue-repair promoting Antiseptic.
1-oz. and 16-oz.

Full details on request to:—

Savory & Moore Ltd.
Chemists to The King

Lawrence Road, Tottenham, N.15
or Wm. Martindale, 50 Wigmore Street, W.1

"OXOID"

The word "OXOID" is the trade mark of OXO Ltd., and is used in connection with their therapeutical preparations both in tablet and fluid extract form.

ORGANO-THERAPEUTICAL PRODUCTS

OXO LABORATORY PREPARATIONS**HORMONES
OESTRIN**

Indications: Menopause; Menstrual Irregularities; Uterine Inertia; Amenorrhoea; Pruritus Vulvæ; Suppression of Lactation.

Tablets: 1000 I.U. Ampoules: 1000-50000 I.U.

STILBOESTROL

Indications: As for Oestrin.

A highly potent oestrogenous substance for oral administration.

Tablets: 0.5 mg., 1.0 mg. and 5.0 mg.
Ampoules: 1.0 and 5.0 mg.

PROGESTERONE

Indications: Habitual Abortion; Menorrhagia; Functional Uterine Haemorrhage; Dysmenorrhoea; Toxaemia of Pregnancy.

Ampoules: 1.0 mg., 2.0 mg. and 5.0 mg.

**"PITOXYLIN"
PITUITARY EXTRACT (P.L.)**

Licensed and standardised in accordance with the Therapeutic Substances Act. For the Induction of Labour; Uterine Inertia; Post Partum Haemorrhage; Surgical Shock; Diabetes Insipidus.

Ampoules: 5, 10 and 20 I.U.

ADRENALIN

Useful for the treatment of Asthma; Epistaxis; Tonsillitis; Hay Fever; Influenzal Crisis; Surgical Shock; etc.

Solution: 1 in 100 and 1 in 1000 Ampoules: 1 in 1000

OXO LIMITED
THAMES HOUSE, LONDON, E.C.4

OXO LABORATORY PREPARATIONS



The CHEMIST AND DRUGGIST

For RETAILER—WHOLESALE—MANUFACTURER

Published weekly at 28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "CHEMICUS, ESTRAND LONDON."

Telephone: CENTRAL 6565 (10 lines)

CONTENTS

Backward Glance at 1946 in Pictures	851	NEW YEAR GREETINGS FROM	
Business Changes	838	THE DRUG TRADE	852
Business Queries and Answers	868	Origins of C.F.	844
Chemists' Federation	863	Overseas Trade News	867
Coming of Age Dinner (Picture)	837	Pharmaceutical Society of Northern Ireland: Council Meeting	859
Company News	838	Photographic Film Prices	843
Correspondence	866	Picture of C.F. Badge and Chain	841
Crossword Solution	860	Prescription Problem Solution	860
Deaths	843	P. A. T. A.	841
Editorial Articles:—		Recent Research	845
The Title "Chemist" in S. Africa	849	Topical Reflections	839
Heredity and Environment	861	Trade Marks	870
Information Wanted	848	Trade Notes	840
Irish News	837	Trade Report	864
Legal Reports	843	Wills	842
Miscellaneous Inquiries	869	Yorkshire Doctors' Bills Circa 1700	847
News of the Week	835		

NEWS OF THE WEEK

British Pharmaceutical Conference.—Applications for hotel accommodation during the British Pharmaceutical Conference which is to be held at Torquay on September 15-19, 1947 (see *C. & D.*, December 14, 1946, p. 777) should be made to Mr. L. W. Davies, 46 Fleet Street, Torquay.

Import of Goose Skins.—Applications for licences to import dressed goose skins from France should be made not later than December 31, on the usual form obtainable from the Import Licensing Department, Board of Trade, 189 Regent Street, London, W.1. Applications, which should refer to Notice to Importers No. 227, will be considered only from pre-war importers.

Correspondence with Germany.—Write a communication about commercial, financial or other matters to any person in Germany is now permitted under a licence issued by the Board of Trade by arrangement with the Postmaster General (S.R. & J., 1946, No. 2089). The licence does not authorise the resumption of private trade, and no goods or payments may be obtained

from or supplied to any person resident or carrying on business in Germany.

Goods Vehicle Licence Duties.—A new taxation step in licence duties at 16 cwt. has been introduced for lightweight goods vehicles at proportionate rates between the 12 cwt. and 1-ton steps. For example, the duty on a "general purposes" goods vehicle weighing 15 cwt. is now £12 10s. instead of £15. Licences for the vehicles affected should be obtained from local taxation offices and not renewed at post offices. Details are obtainable from post offices.

Separation of Isotopes.—Professor Harold C. Urey (Institute of Nuclear Studies, University of Chicago), delivering the eleventh Liversidge lecture on "Some Problems in the Separation of Isotopes," to the Chemical Society in London on December 18, dealt with the mathematical problems involved in the distribution functions, and vapour pressures of isotopic molecules. He mentioned the use of non-radioactive isotopes in biological investigations. Professor C. N. Hinshelwood, F.R.S. (president) was in the chair.

Call for Lower Taxation.—Sir Arnold Gridley (president, Association of British Chambers of Commerce), in a letter to the Chancellor of the Exchequer recently, urged that a Cabinet Committee should make a ruthless review of all Government services and prune all unnecessary administrations. The letter also suggested a number of ways in which direct taxation could be reduced. One suggestion was that the scheme of depreciation allowances begun by the Income Tax Act, 1945, to encourage re-equipment of industrial buildings and plant should be extended to cover "all premises used for business purposes, such as warehouses, offices, shops, and hotels." A memorandum placed before the Prime Minister recently by the National Union of Manufacturers urged an immediate investigation into the functions and methods of Government departments in order to eliminate any unnecessary activity and to suggest changes which would lead to economies in the use of manpower. The memorandum stated that the personnel of the Civil Service was well over 700,000 at an annual cost approaching £400,000,000. The Prime Minister, in a reply to the memorandum, said the present position was largely due to the overlap in departmental duties between the residue of war services and the restoration and development of peace-time services.

Battery Prices.—The Board of Trade has issued an Order (S.R. & O. 1946, No. 2100) fixing manufacturers', wholesalers' and retailers' maximum prices (exclusive of purchase tax, if any) for home-produced dry batteries (see table). For the purposes of the Order, batteries are divided into two classes: *Class A*, batteries manufactured by Alpha Accessories, Ltd., Britannia Batteries, Ltd., A. C. Cossor, Ltd., Chloride Electric Storage Co., Ltd., The Ever Ready Co. (Great Britain), Ltd., The General Electric Co., Ltd., The Gramophone Co., Ltd., Invicta Radio, Ltd., Marconiphone Co., Ltd., Oldham & Son, Ltd., Pye, Ltd., Siemens Bros. & Co., Ltd., Sterling Batteries, Ltd., and Vidor, Ltd.; *Class B*, other batteries. The order came into force on December 23

LOCAL NEWS

Edinburgh Fire.—A fire broke out the premises of Duncan, Flockhart & Co. Ltd., Edinburgh, recently, destroying quantity of stramonium herbs and damaging some drying trays.

Bath Social Evening.—Bath Branch of the Pharmaceutical Society recently entertained members and their friends at a social evening. The programme included quiz and a conjuring display. Mr. C. H. Jamwelcomed the visitors and Mr. E. T. Kingston performed the duties of master of ceremonies.

Lecture on Aseptic Technique.—Mr. T. D. Whittet, Ph.C. (chief pharmacist, Charing Cross Hospital), addressed a meeting of the West Ham and East Metropolitan Branch of the Pharmaceutical Society held recently at Ilford on "Aseptic Technique in Dispensing." The lecture was illustrated by exhibits and practical demonstration. Mr. W. H. Cloud presided, and a vote of thanks to the speaker was proposed by Mr. G. P. Bowen, Forest Gate.

"Awkward Prescriptions."—"Awkward Prescriptions" was the title of an address given by Mr. M. S. Maconochy at a recent meeting of the Dundee Branch of the Pharmaceutical Society. Under the National Health Service, he said, there would be a growing tendency for chemist work to become more pharmaceutical and less like that of an ordinary shopkeeper.

TYPE OF BATTERY	CLASS A		CLASS B	
	Maximum retail selling price per battery	Manufacturers' maximum price per dozen	Wholesalers' maximum price per dozen	Maximum retail selling price per battery
	<i>d.</i>	<i>s.</i> <i>d.</i>	<i>s.</i> <i>d.</i>	<i>d.</i>
Bijou	4	2 10½	3 4	4½
Large unit single cell	4	2 8½	3 2½	4½
Large unit 2 cell . .	8	5 5	6 4	9
Medium or baby single cell	3½	2 2	2 7	3½
Medium or baby 2 cell	6	4 4	5 0	7
Standard flat battery	7	4 8	5 6	7½
Fountain pen single cell	2	1 3	1 5½	2
Fountain pen 2 cell	4	2 6	2 11	4
Large twin cell cycle lamp battery	10	6 6	7 6	10½

Mr. A. R. Lowson presided, and a vote of thanks was proposed by Mr. T. Neilson, Perth.

Manchester Dance and Whist Drive.—A dance organised recently by the Junior Branch of the Manchester Pharmaceutical Association and the Manchester Branch of the Guild of Public Pharmacists raised more than £30 for the Pharmaceutical Society's benevolent fund. At a whist drive organised by the ladies' committee of the Junior Branch, the following were prizewinners: Mrs. J. G. Crossley, Miss B. Ridings, Mrs. R. Walmsley, Mr. H. Steinman, Mr. Watt and Miss Sharrice.

New Union Suggested.—At a recent meeting of the Slough Branch of the Pharmaceutical Society, Mr. H. P. Elliot in the chair, the following resolution was carried: That this meeting is of the opinion that the union of all employed pharmacists, other than members of the Guild of Public Pharmacists, should be sponsored immediately by the National Pharmaceutical Union in order to secure complete representation of qualified pharmacists throughout the country; further, that representatives of this employed pharmacists' union (which would have its own executive), of the N.P.U. and of the Guild of Public Pharmacists should be formed into a national body able to speak for and act on behalf of pharmacists as a whole.

Talks to Walthamstow Chemists.—Mr. S. Willcocks presided over a recent meeting of the Walthamstow Pharmaceutical Association, at which members heard three short talks. Mr. W. S. King (a member of

Council, Registered Pharmacists' Union) described the formation of the R.P.U. which, he said, hoped to represent all pharmacists in their professional capacity, and would represent employee pharmacists in the way described in Mr. H. N. Linstead's recent address "The Next Ten Years" (see *C. & D.*, November 30, p. 714). Mr. H. L. Moppett, in a talk entitled "Pharmacy Afloat," described his experiences as a pharmacist in the Royal Navy on a hospital ship which had been "adopted" by the Pharmaceutical Society. Mr. S. T. James spoke on window dressing, illustrating his talk with photographs of successful displays. Mr. James had won £325 in window dressing competitions.

IRISH NEWS

Streptomycin by Air.—The first batch of streptomycin to be commercially available in Europe was delivered in Dublin by Parke, Davis & Co. on December 11 by air from Detroit, U.S.A. Its distribution will be controlled, it is understood, by the Medical Research Council of Eire.

Dublin Benevolent Fund Dance.—The annual dance in aid of the Benevolent Fund of the Pharmaceutical Society of Ireland was held in Dublin recently. During the evening a Christmas hamper was raffled under the direction of Mr. P. G. Redmond, who acted as master of ceremonies. Mrs. Whelehan performed the ceremony of drawing the ticket of the winner. Mr. T. J. Gleeson was chairman of the committee which arranged the dance. Many leading figures in Irish pharmacy were present.



COMING-OF-AGE DINNER.

Group photographed at the twenty-first anniversary celebration dinner of the Pharmaceutical Society of Northern Ireland. Left to right: Mr. E. W. Scales, C.B.E. (Permanent Secretary, Minister of Health and Local Government); Mrs. Parker; Rt. Hon. William Grant (Minister of Health and Local Government); Mr. J. W. Gray, J.P. (President of the Society); Mr. G. R. Knox-Mawer (President, Pharmaceutical Society of Great Britain); Dr. J. Boyd (Chief Medical Officer, Ministry of Health and Local Government); and Mr. William Gorman (secretary of the Society).

COMPANY NEWS

BILTON PHARMACY, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, etc. Cecilia Paul, M.P.S., George D. Copley and Gwladys Copley, directors. R.O.: 102 Bishopsgate, London, E.C.2.

WALLACE PRING, LTD. (P.C.).—Capital £5,000. To carry on business of consulting analytical, manufacturing, pharmaceutical and general chemists, etc. William Wallace Pring and Mrs. Daisy Pring, directors. R.O.: 7 High Street, Bromley, Kent.

HENRY H. BUTTERFIELD, LTD. (P.C.).—Capital £2,500. To carry on business of manufacturers of and dealers in chemicals, medicines, soaps, toilet requisites, etc. H. H. Butterfield and H. E. Butterfield, directors. R.O.: 55 Sotheron Road, Watford.

W. C. HARRIS, LTD. (P.C.).—Capital £3,000. To carry on the business of retail and wholesale chemists and druggists, etc. Alice K. Harris, Peter G. Harris and William K. Southgate, directors. R.O.: 220 Hither Green Lane, London, S.E.13.

C. W. ROBERTSON, LTD. (P.C.).—Capital £3,000. To carry on the business of consulting, analytical, manufacturing, pharmaceutical and general chemists, etc. Charles B. Robertson and Charles W. Robertson, directors. R.O.: Mill Road, Cranfield, nr. Blechley, Bucks.

NEW NORTH (CHEMISTS), LTD. (P.C.).—Capital £2,000. To acquire the business of chemists and druggists carried on by Bewells, Ltd., at 65 New North Road, London, N.1. Harold W. Middleton, Mrs. M. Middleton and Margaret Middleton, directors.

A. R. CROSS (EDMONTON), LTD. (P.C.).—Capital £2,000. To acquire the business of chemists and druggists lately carried on by Pages Drug Stores, Ltd., at 243 Hertford Road, Edmonton, N. Arthur R. Cross and Douglas G. Cross, directors. R.O.: 476 Hertford Road, Enfield Highway, London, N.1.

BLOOMFIELD PHARMACY (R. J. MCCOTTER), LTD. (P.C.).—Registered in Belfast. Capital £4,000. To acquire the business of a chemist carried on by George H. Orr at 381 Beersbridge Road, Belfast. Robert J. McCotter and John C. McCotter, directors. R.O.: 381 Beersbridge Road, Belfast.

HASLER ENTERPRISE CO., LTD. (P.C.).—Capital £10,000. To acquire the business carried on at 5 Moor Street, Luton, as the

"Hasler Enterprise Co.," by John R. Hasler and in particular the recipes and full information as to the process of manufacture and the right to manufacture and deal in "Haslerone Liquid Bleach and Bleac Powder" and "Hasleramone Liquid Shampoo." John R. Hasler and Mrs. Evelyn Hasler, directors. R.O.: 5 Moor Street, Luton.

GUY, LTD. (P.C.).—Capital £5,000. To carry on the business of manufacturers and vendors of and dealers in cosmetics, toilet and medicinal preparations and requisite including face and other creams, etc.; and in particular to acquire the services of Guy Tebbitt of Lewes, together with his connexions in the home and export markets; to acquire and establish a factory for the production and manufacture of goods for the home and export market, and to manufacture and pack branded and other goods for the Blue Mask and Temu Products, Ltd. and for Caria Radium, Ltd., and any other company or firm. Raphael R. O'Reilly, Kabalkin, Guy Tebbitt and Raymond F. Kabalkin, directors. R.O.: 3 Mill Street, London, W.1.

IDRIS, LTD.—Directors' report for the year ended October 31 records a net profit after charging debenture interest and providing for depreciation and taxation, £10,461 (against £4,787). This, with balance brought from last year, makes a total of £10,821. It is recommended to pay, on A preference shares, 6 per cent.; on B preference shares, 7 per cent.; on A ordinary shares, 10 per cent.; on B ordinary shares, 10 per cent.; on founders' shares, 5 per cent., all less income tax, leaving a balance to carry forward, after a transfer of £2,500 to reserve for equalisation of dividends, £71 (£360). Two directors, Messrs. Ivo I. Idris and Claude W. Moat, retire and are eligible for re-election.

BUSINESS CHANGES

THE MENTHOLATUM CO., LTD., have returned to Slough Trading Estate, Buck (Telephone: Slough 23341).

MR. W. H. GREEN, M.P.S., has acquired the pharmacy at 7 Humber Road, Blackheath, London, S.E.3, formerly carried on by Mr. E. Oswald Wells, M.P.S.

THE FINE CHEMICAL EXPORT GROUP ceases to function on December 31. Any inquiries should be addressed to the Association of British Chemical Manufacturers, 167 Piccadilly, London, W.1.

TOPICAL REFLECTIONS

Towards the New Year

Once again it is my pleasant task to send a New Year greeting to readers of *THE CHEMIST AND DRUGGIST*. "The web of our life is of a mingled yarn, good and ill together;" and the verdict of most of us on the past year, if asked for, would be, I think, that the ill of life has outweighed the good. Many have been the disappointments of busy people who had hoped to change entirely the conditions enforced upon them by the stress of war. Yet the outlook is not altogether gloomy: among recent news is a comment from France expressing admiration of the reaction of the British people to their difficulties. Turning from general considerations, I may indicate three of the problems most likely to occupy prominent places in your columns during the next twelve months. First in the thoughts of many comes the National Health Service. Whatever may be the outcome of the present disagreements between the Ministry of Health and the medical profession, chemists in business must beware of being placed in a position like that of 1912. A second problem may be the constitution of the Pharmaceutical Society, revision of which is in the air: this will call for statesmanship. A third problem is the better organisation of employees in the wholesale, retail and hospital services, a problem that has so far received much discussion but little unanimity of purpose. In the background of these important subjects is a legacy from the war in the form of Government control, very slowly growing less.

Public Economy Urged

Two reasoned pronouncements have recently been sent, one to the Prime Minister and the other to the Chancellor of the Exchequer, urging a policy of substantial reduction in Government staffs and administrative expenditure (p. 836). One of these documents was prepared by the National Union of Manufacturers, representing a membership of about 4,000. This memorandum expressly disclaimed criticism of permanent Civil servants; though, it may be added, one sometimes wonders what a not inconsiderable percentage of the 600,000, employed at an annual cost of nearly £400 million, are doing in their free hours. The cost of local government, of course, an additional drain on the country's resources. The proportion of the working population absorbed in the national administration is estimated at 4 per cent. at

least. The other document referred to is a statement by the Association of British Chambers of Commerce, and approaches the same subject from the angle of taxation. Justification for a demand for lower taxes is found, the Association claims, in "the imperative need of stimulation." A detailed scheme of reduced rates for taxes is presented for the Chancellor's consideration: among the practical suggestions is that the scheme of depreciation allowances begun by the Income Tax Act of 1945 should be developed. The standing of the two bodies named is a sufficient guarantee of the significance of their remarks.

Recipes for Gentlemen

The issue of "The Gentleman's Magazine" for December 1746 is distinguished by its generous allowance of recipes. Though I have not measured the space allotted to them, it is obviously greater than the space the obliging Mr. Urban, the editor, normally favoured his readers with. About half of these recipes describe treatments for an epidemic of what was called distemper in cattle, a disorder of the period referred to in this section some weeks ago. A few of the recipes may be quoted: (1) Four ounces of tar daily as a prophylactic; (2) four ounces of sodium sulphate on each of three mornings; (3) caraway seed, white wine and honey; (4) whale oil and treacle, of each a pint, flowers of sulphur 4 oz.; (5) whiting 1 lb., Armenian bole 2 oz., Venice treacle 1 oz., English malt spirits $\frac{1}{2}$ pint. The application of warm vinegar and salt to the nostrils on an affected animal is paralleled by a treatment for a "green" wound in human subjects. The lotion for this consisted of white wine, vinegar and salt: if the wound was deep, the patient was to make "dosils" (now spelt "dossils"), cover with a compress, and replace with plaster when the flesh had "grown up." An unusual feature of this issue of the magazine is a list of about 160 ailments in which tar water was alleged to have been successful. That remedy was, it will be remembered, the panacea of Bishop Berkeley. Finally, for "the most inveterate rheumatism" the sufferer was directed to take "6 lb. of the lean part of the round . . . of the best beef you can get," season with garlic, cover with dough, stew for twenty-four hours, and then drink the liquor in doses of "half a naggin," presumably giving the solid residue to the family dog or cat.

Xrayser

TRADE NOTES

Baby Foods Reminder.—To make it easier for chemists to supply Ostermilk only to *bona-fide* users, the manufacturers, GLAXO LABORATORIES, LTD., Greenford, Middlesex, have brought out a small show-card requesting customers to produce a baby's green ration book when buying.

Vitamin Chocolate.—Codella-Seltzer, Ltd., Aberdeen, announce that they have taken Counsel's opinion on whether Codella vitamin chocolate may be supplied points-free. His view is that the preparation may be sold free of points only on the prescription of a medical practitioner.

New and Reintroduced Goods.—P. B. Cow & Co., Ltd., 12 Hay Hill, Berkeley Square, London, W.1, announce that their surgical goods in rubber will again be available early in 1947 together with a number of new items, details of which are given in the company's announcement on another page.

Bronchial Mixture for Diabetics.—Ashley & Weeks, Ltd., Mitcham Road, London, S.W.17, have introduced a bronchial mixture for diabetic patients, the advantage of which is that it can be taken without disturbance of the metabolic balance. Formula, dosage and trade terms are given in the company's announcement on another page of this issue.

Washing Powder.—Leda washing powder, issued by Leda Chemicals, Ltd., 94 Archway Road, London, N.19, is described as "a modern scientific detergent with amazing cleansing properties." It is suitable for use with all fabrics, and eliminates boiling and scrubbing; it is also suitable for washing-up and general housework. The product is available exclusively through wholesalers.

Five-day Week.—Burroughs Wellcome & Co., London, N.W.1, announce the adoption of a five-day week for their London offices and warehouse, commencing January 1, 1947. Until further notice, an emergency staff will be in attendance on Saturday mornings at 12 Red Lion Square, W.C.1 (Telephone: Chancery 6621) from 9 a.m. until 12.30 p.m., to deal with urgent orders.

Adrenaline Tartrate Solution.—Demands for a solution of adrenaline tartrate, voiced from many quarters following a paper by G. B. West on the stability of solutions of adrenaline tartrate given at the British Pharmaceutical Conference, 1945,

have prompted Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, to introduce a solution of the salt in boxes of six 1-c.c. ampoules and in containers of 1 fl. oz.

Hormone with Sedative.—G. W. Carnrick Co., Newark, N.J., U.S.A., are issuing compressed tablets each containing three mgm. dihydrodiethylstilbestrol and 20 mgm. phenobarbitone. Marketed under the trade mark Thelestrol the tablets are intended for use in menopausal syndrome and are supplied in bottles of fifty and 100. The sole distributors in Great Britain and Eire are Brooks & Warburton, Ltd., London, S.W.1.

Twin Roll Mill.—The Boyd-Norman Manufacturing Corporation, Norwich House, Southampton Place, London, W.C.1, are manufacturers of the Minimill, a "twin roll mill" which can be used for grinding, refining and blending rough wet mixtures such as ointments, pastes, etc. The mill is obtainable with either hand or motor drive and is specially suitable for sampling, testing and small-scale production.

Exhibition in Amsterdam.—Arrangements have been completed for an exhibition of British products to be held at the Victoria Hotel, Amsterdam, about the middle of February 1947. The Council of Industrial Design has promised full co-operation, and part of the Exhibition will be reserved for the Council under the name "Britain Can Make It." Inquiries should be addressed to Mr. S. H. Hartog, 9 Radnor Lodge, Sussex Place, London, W.2.

Seasonal Greetings.—The following advertisers devote their space in THE CHEMIST AND DRUGGIST this week to seasonal greetings to their customers.—ARTHUR H. COX & CO., LTD., The Laboratories, Brighton, 7; D. DEVON, Norfolk Place, London, W.2; ELI LILLY & CO., LTD., Basingstoke; THE LIVERPOOL SCHOOL OF PHARMACY, 2 Blackburne Place, Liverpool, 8; STAFFORD ALLEN & SONS, LTD., Wharf Road, London, N.1; and WILLIAM SUTTON & CO., DRUGGIST SUNDRIES (LONDON), LTD., Horseshoe Lane, Chase Side, Enfield.

Price Increases.—Owing to increased manufacturing costs, the EVAN WILLIAMS CO., LTD., Perivale, Greenford, have found it necessary to advance slightly the price of the Evan Williams wave-set. The new terms are given on another page of this issue, and it is pointed out that the retail

percentage of profit is maintained. From January 1, 1947, the prices of Ponds creams and face powder are being increased to a new scale, details of which are given on another page in an announcement by the manufacturers, POND'S EXTRACT CO., LTD., Perivale, Greenford, Middlesex.

"Bishop Auckland's Friend."—A brochure entitled "The Friend of Bishop Auckland" has been published by Joseph Lingford & Son, Ltd., Bishop Auckland, for private circulation, to preserve the memory of the late Mr. Joseph Lingford, founder of the business. The text, which is a reprint of an article from the "South Durham and Auckland Chronicle," of November 2, 1911, describes the unveiling and presentation to the town of Bishop Auckland and a life-sized portrait in oils of Mr. Lingford. A "Joseph Lingford Charity" was founded in 1939, to carry on welfare work in the district.

Calendars.—THE CHEMICAL MANUFACTURING LABORATORY, LTD., Brook Works, Duke Street, Tavistock, Devon, have issued month-to-the-page wall calendar, size $2 \times 9\frac{1}{2}$ in., in two shades of blue on white.—A month-to-the-page calendar issued by the NORTH BRITISH RUBBER CO., LTD., Castle Mills, Edinburgh, depicts the Golf Tavern and Bruntsfield Links, Edinburgh, as seen during the eighteenth century. The illustration, in full colour, and calendar block, in white figures on a blue and black ground, are both mounted on a grey board, size $7\frac{1}{2} \times 11\frac{1}{2}$ in. On the reverse side are printed details of the illustration and information useful to customers and clients of the company.

Chemicals and Their Makers.—A copy has been received of the 1946 Edition of the directory, "British Chemicals and their Manufacturers," of the Association of British Chemical Manufacturers. During the war years Government regulations prohibited publication of any revisions consequently the new edition is the first revision since 1939. It includes up-to-date information regarding the manufacturers of all types of chemicals (heavy, fine, pure, etc.)

and supersedes previous directories. A copy will be sent free to any *bona fide* inquirer writing on business paper.

Proprietary Articles Trade Association

Additions to Protected List.—O. Scruton & Co., Ltd., Prices and terms, January 1, 1947, Nurse Harvey's mixture, 11s. 3d. doz., tax 1s. 10½d. doz., inclusive retail price 1s. 5d.; half gross at 11s. 3d. doz., less 2½ per cent., cash with order; one gross at 11s. 3d. doz., less 5 per cent. monthly account; five gross at 11s. 3d. doz., less 7½ per cent. monthly account; ten gross at 11s. 3d. doz., less 10 per cent. monthly account. All orders carriage paid.

Macleans, Ltd., the following prices operate from January 1, 1947: Oslo pine bath salts, 6s. doz., tax 6s. doz., i.r.p. 1s. 2d. doz.; 12s. doz., tax 12s. doz., i.r.p. 2s. 4d.

Alterations.—Evan Williams Co., Ltd., increased prices, January 1, 1947: Wave-set, 2-oz. bottles, 4s. 7d. doz., tax 4s. 7d. doz., i.r.p. 11½d.

Macleans, Ltd., Increased prices, January 1, 1947: Maclean brand stomach-powder, 20s. doz., tax 3s. 4d. doz., i.r.p. 2s. 6d.; 48s. doz., tax 8s. doz., i.r.p. 6s. Maclean brand stomach-tablets, 12s. 3d. doz., tax 2s. 0½d. doz., i.r.p. 1s. 6d.; 20s. doz., tax 3s. 4d. doz., i.r.p. 2s. 6d.

Vitamins, Ltd., Increased prices, January 1, 1947: Bemax, 1s. 9d., 16s. 6d. doz.; 3s., 28s. 6d. doz.; 5s. 6d., 52s. 6d. doz.; 25s., 20s. each (all exempt from tax).



PRESENTATION BADGE OF OFFICE.—Left: Chain and badge of office for chairman of Chemists' Federation presented by the Crookes' Laboratories, Ltd. (See C. & D., November 16, p. 626). At right: Close-up of badge.

WILLS

MR. HENRY OSWALD ISAAC, 32 Hurler Crescent, Clifton, Bristol, retired chemist and druggist, left £12,354, with net personalty, £12,312.

MR. JAMES TASKER LOWE, M.P.S., 113 Rocky Lane, Anfield, Liverpool, left £5,445, with net personalty £4,337.

LIEUTENANT (Q.M.) WILLIAM KNOWLES MARSH, R.A.M.C., M.P.S., Mount Avenue, Norton Tower, Halifax, left £767.

MR. CLIFFORD CHARLES FINCH, M.P.S., 12 St. Helens Street, Ipswich, left £8,354, with net personalty £6,138.

MR. ARTHUR EXELL, M.P.S., 230 Millhouses Lane, Sheffield, left £3,182, with net personalty £2,398.

MR. DAVID ROBERTS, M.P.S., 100 Elm Vale, Fairfield, Liverpool, left £6,002, with net personalty £5,354.

MR. EDWARD BRINDLE, M.P.S., 5 Merchiston Place, Edinburgh, and 190 Morrison Street, Edinburgh, left £3,404.

MR. GEORGE HENRY POTTS, M.P.S., 1 Market Place, Knaresborough, Yorks, left £4,111, with net personalty £3,897.

MR. JAMES BOWEN JONES, M.P.S., High Street, Pentre Broughton, Wrexham, Denbigh, left £135.

MR. ALFRED JOSEPH CLEGG, M.P.S., Newbury Street, Wantage, Berks, left £11,759, with net personalty £6,209.

MR. WILLIAM HENRY STONES, 59 Westley Road, Bury St. Edmunds, left £18,611, with net personalty £16,759.

MR. CARL HAPFOLD, Ph.C., 84 Coleraine Road, Blackheath, London, S.E.3, left £6,837, with net personalty £5,484.

MR. JOSEPH ALFRED HAYNES, M.P.S., 32 Station Road, Parkstone, Dorset, left £5,578, with net personalty £332.

MR. VALENTINE NORMAN, M.P.S., 1 Croft Road, Godalming, Surrey, left £27,887, with net personalty £20,417.

MR. CHARLES WILLIAM BOBBY, M.P.S., High Street, Soham, Cambs, left £10,505, with net personalty £7,371.

MR. HERBERT OLIVER LLOYD, M.P.S., 10 Suffolk Parade, Cheltenham, Glos, manufacturing chemist, left £8,522, with net personalty £4,576.

MR. FRANK BIRCHALL, M.P.S., St. Franklyn, Hoads Hill, Fareham, Hants, left £4,274, with net personalty £2,207.

MR. JAMES ATTENBURROW, M.P.S., The Laurels, Burton Road, Melton Mowbray Leics, left £22,275, with net personalty £18,698.

MR. SAMUEL DAVID WELHAM, 36 Chestnut Avenue, Redcar, Yorks, retired work chemist, left £1,482, with net personalty £425.

MR. RICHARD BINNS TAYLOR, Ashbrook Dialstone Lane, Stockport, Cheshire, colour and chemical manufacturer, left £5,891 with net personalty £4,282.

MR. DAVID HARLEY, M.P.S., 270 Milton Road East, Joppa, Edinburgh, left personal estate in England and Scotland of £14,493.

MR. CHARLES JAMES HESELTON, M.P.S., East Rudham, Norfolk, formerly of Leicesters, left £2,955, with net personalty £1,403.

MR. ALEXANDER ROSS, M.P.S., 133 Trafalgar Lane, Bents Green, Sheffield, formerly of Dornoch, Scotland, left £1,596, with net personalty £848.

MR. FRED HELSBY, M.P.S., 5 Burlingtor Road, Skegness, Lincs, formerly of Louth and Grimsby, left £6,192, with net personalty £4,911.

MR. CLARENCE VICTOR MARSHALL, M.P.S., 6 Waldron Square, and 21 Waterloo Place, Sunderland, Durham, left £9,518, with net personalty £7,099.

MR. HARRY NUTTALL LEVER, M.P.S., Merehall Pharmacy, Merehall Street, Bolton, left £1,409, with net personalty £1,210.

MR. JOHN CHARLES HOLTON, M.P.S., The Hollies, Norwich Road, Fakenham Norfolk, and Bridge Street, Fakenham, left £4,696, with net personalty £4,540.

MR. JOHN ROBERT THOMPSON, M.P.S., Market Place, Thirsk, Yorks, and The Vicarage, North Dalton, nr. Driffield, left £4,519, with net personalty £687.

MR. WILLIAM ELSEY CHURCH, M.P.S., 206 Columbia Road, Ensbury Park, Bournemouth, formerly of 83 Broadway, Bexley Heath, Kent, left £1,605, with net personalty £177.

SIR ARTHUR SACKVILLE TREVOR GRIFFITH-BOSCAWEN, P.C., 6 Cottesmore Gardens, London, W.8, Minister of Health in 1922 and 1923, left £48,927, with net personalty £48,208. (Duty paid £11,633).

DEATHS

BOWN.—On December 14, Mr. William Henry Bown, M.P.S., 40 Farlington Avenue, Drayton, Portsmouth, aged 75. He removed to Portsmouth from the west of England early in the century to take over the business at 50 Victoria Road North, Southsea, which he carried on successfully and into which he later took his son, Mr. W. E. Bown, as his partner. For many years Mr. Bown took a keen interest in all pharmaceutical organisations. He was a past-chairman of the local branch of the society a past-president of the Portsmouth Chemists' Association (of which he was founder member) and for nearly thirty years a member of the Portsmouth Pharmaceutical Committee. He leaves a widow, one daughter and one son (Mr. W. E. Bown, M.P.S.).

CORBETT.—At his home, The Medical Hall, Mitchelstown, co. Cork, recently, Mr. John Corbett, M.P.S.I., aged sixty-four.

ORTEUS.—Recently, Mr. James Paul Orteus, M.P.S., 208 Walnut Avenue, Cranford, New Jersey, U.S.A., formerly of Carnforth, Lancs, aged seventy-two.

THOMPSON.—At his home, on December 6, Mr. Hubert B. Thompson, M.P.S. (son of the late Mr. Charles Thompson Ph.C.), Newborough Pharmacy, 284 Baldwin's Lane, Hall Green, Birmingham, aged fifty-four.

TAUBMAN.—At Brookside, Kemerton, nr. Tewkesbury, on December 8, Mr. Frank Mowbray Taubman, aged seventy-eight. Mr. Taubman qualified as a chemist and druggist in 1889. He was a frequent exhibitor at the Royal Academy.

LEGAL REPORT

Not Guilty of Pose as Doctor.—A verdict of not guilty was returned at Surrey quarter sessions on December 12, in a case in which Geoffrey Wharburton Bennett, a retired bank clerk, was charged with obtaining two sums of 2s. by falsely representing himself to be a doctor (*C. & D.*, November 23, p. 656). It was alleged that he bought two bottles of quinine and iron tonic at a pharmacy for 1s. 6d. each, prevailed upon the chemist to change the label for a plain white label, and sold the tonic for 3s. 6d. a bottle to a publican to whom it was alleged he had posed as a doctor. Bennett pleaded not guilty. The circumstances of the alleged transactions were described (see previous report). A stethoscope was found at Bennett's home. In evidence Bennett said he left a message that it was "The Doctor" or "The Doc." who had called. He was interested in "patent" medicines but had never represented himself as a medical practitioner. When Round asked him if he practised in the district, he replied that he was not in practice at all. He had the stethoscope for the study of medicine, which was his hobby.

PHOTOGRAPHIC FILM PRICES

The maximum retail prices per spool (including purchase tax) for photographic film previously referred to (see *C. & D.* November 23, p. 653) are set out below. Retailers are required by S.R. & O. 1946,

No. 1915 (H.M. Stationery Office, price 1d.) to exhibit a legible list of the maximum prices of films offered for sale in a position where it can be read without difficulty by customers.

KODAK, ILFORD, SELO AND ENSIGN FILM			FILM OTHER THAN KODAK, ILFORD, SELO AND ENSIGN			
Width	Panchromatic	Non- panchromatic	Width	Length	Panchromatic	Non- panchromatic
Inches	s. d.	s. d.	Inches	Inches	s. d.	s. d.
1 3/8	1 10	—	Less than 1 1/8	17 or over	1 8	1 8
1 5/8	2 2	1 10	1 1/8 or over but less than 2 1/4	19 3/8 or over	1 11 1/2	1 8
2 1/4	2 5	2 2	2 1/4 or over but less than 2 1/2	25 or over	2 2	1 11 1/2
2 3/4	3 1	2 9	2 1/2 or over	31 1/2 or over	2 9 1/2	2 5 1/2

ORIGINS OF C.F.

A claim for acknowledgement of the contribution of Wales in one of the major developments in recent years in pharmacy

By Ifor L. Richards, F.B.O.A., M.P.S.

XRAYSER" in "Topical Reflections" (*C. & D.*, November 23, p. 657) referred commendingly to the progressive stage now reached by the "Chemists' Federation." I respectfully submit, however, that in his endeavour to credit its origin, "Xrayser" made a pardonable error. During twenty-five years of activity in pharmaceutical circles, I have noticed a lamentable tendency, on the part of "official" London, to deny Wales much of the credit to which she is entitled by virtue of her many contributions to pharmacy over a long period. I may be pardoned, therefore, for pointing out that the scheme now known as "C.F." originated in South Wales, and dates back to the early part of 1933—two years before being officially adopted by the National Pharmaceutical Union. The history of its inception is here summarised.

Outline of Scheme

An original "Scheme for the Protection of Chemists' Interests," formulated by a South Wales Branch member (August-September 1933) was privately submitted to the Proprietary Articles Trade Association, with Branch support. The suggested title was "British Chemists' Association" (B.C.A. to correlate with B.M.A. and B.D.A. for the doctors and dentists respectively). The main text of a descriptive circular prepared at the time is given below:—

BRITISH CHEMISTS' ASSOCIATION

President, to be elected; Executive Committee (by election), to have administrative and disciplinary powers; Association members, each to hold five £1 shares; first call to be 4s. per share.

1. Official register of members and approved dealers. (Each will have a prefix and number for coding purposes.)
2. Wholesalers to give undertaking that only those on the register will be supplied with pharmaceutical products.
3. Manufacturers to give similar undertaking, and that they will adhere to legitimate trading standards, i.e., no "stunting" which will be detrimental to the trade. (Any manufacturer refusing will be informed that his par-

ticular line will not be stocked by any member of the Association and, furthermore, that the Association, if necessary, will produce for distribution amongst its members a line identical with his own; the line will be produced by a firm of chemists belonging to the Association who will act as central dépôt for its distribution. A member drawing supplies would indent through his usual wholesaler who would, therefore, have his usual wholesaler's profit, but the goods would be despatched from the central dépôt, and would be indelibly coded with the member's number.)

The scheme would very quickly prove both economical from an outlay standpoint and remunerative. National Pharmaceutical Union, Chemists' Defence Association, etc., contributions and benefits could be incorporated. Competitive lines could be produced at a cost to yield the member a bigger profit.

A small annual contribution would increase the capital of the Association to a very formidable sum in a very short time, and this could be used for furthering the interests of chemists in any desired direction, even to active Parliamentary representation.

During October to December 1933, the scheme was fully explained and formulated to many combined branches of the area, for example, in Cardiff on October 26, Neath on November 23, and to a conference of Ucal chemists, at all of which meetings those present were enthusiastically in favour of the proposals.

Adoption but Delay

South Wales chemists having unanimously "adopted" the scheme, a representative delegation was appointed to meet Mr. G. A. Mallinson (N.P.U. secretary) to report the "reaction." Mr. Mallinson travelled to Cardiff for the purpose of meeting the delegation and "hearing" the scheme. At that time the N.P.U., having no other scheme, was boosting its publicity plan, the history of which is well known. Mr. Mallinson promised to launch the new scheme, but sought an interim period of

December 28
six months
drug brokers
appetite its
known as
following the
was not later
years later.
any means
als embodied
employment
patience.
"milestone
occasion of
A Fruit
ation betw
fruit and
seeds su
November
apple see
income coo
Aqueous
tions of th
ovaries c
Active ext
hole swell
mour of f
eventually
size and q
Biosyn
The origi
of solana
told:—1,
ing leaf;
ready sy
from the r
according
p. 654).
ranked with
plant, and
with the sy
ity of allal
for the use
way to incre
good veget
requires a ca
about 90 in.
with p
and lime. T
to by diver
into the alk
difficult, and
aspect of s
rogen man
died leaves
thesised fi
then the con
ly high.
acts provide

six months to examine the position of the drug brokers. In spite of many efforts to expedite its official adoption, the scheme known as "Chemists' Friends," although following the main principles of the B.C.A., was not launched until October 1935, two years later. The present C.F. has not by any means exhausted the ideas and proposals embodied in the original draft, full employment of which requires time and patience. In view, however, of the current "milestone" in its history, which was the occasion of "Xrayser's" comment, it would

be a gracious act, when alluding in any way to the origin of the scheme, to credit South Wales with the part it played in its inception, and thus encourage coming pharmacists to make similar efforts. Since already there is a similar scheme in operation in the Colonies, the originators remain somewhat mystified why there was objection to the more recently suggested title of "British Chemists' Federation," a title which they consider dignified, professional, desirable and "understandable" to the general public.

RECENT RESEARCH

A Fruit-setting Hormone?—The correlation between size and shape of the apple fruit and the number and position of fertile seeds suggests to Luckwill ("Nature," November 9, p. 663) that the developing apple seed might be the source of a hormone controlling the growth of the fruit. Aqueous extracts and ether-soluble fractions of these were tested for activity on the ovaries of emasculated tomato flowers. Active extracts were found to produce visible swelling of the tomato ovaries within four or five days, the ovaries developing eventually into seedless fruits "of excellent size and quality."

Biosynthesis of Belladonna Alkaloids.—The origin of tropane alkaloids in the leaf of solanaceous plants appears to be twofold:—1, Synthesis by the actively growing leaf; and 2, invasion of the leaf by the already synthesised alkaloid, transported from the root by the transpiration stream, according to James ("Nature," November 9, p. 654). The synthesis of alkaloids is linked with the nitrogen metabolism of the plant, and runs to some extent parallel with the synthesis of proteins. The quantity of alkaloid produced may be influenced by the use of fertilisers, and the simplest way to increase the yield is to arrange for good vegetable growth of the plant; this requires a calcareous soil, optimum spacing about 30 in. \times 30 in.), and good fertilisation, with perhaps an excess of nitrogen and lime. To increase alkaloidal production by diverting extra nitrogen and carbon to the alkaloid metabolic path is more difficult, and the only method holding out prospect of success is that of unbalanced nitrogen manuring. Experiments with detached leaves suggest that alkaloids are synthesised from amino acids at a time when the concentration of these is temporarily high. Further leaf-feeding experiments provided "solid grounds for suppos-

ing that the nitrogen of the tropane alkaloids is derived from the *d*-amino group of the arginine-ornithine group."

Idiometric Assay of Penicillin.—A simple iodometric method of assaying penicillin has been described by Alicino (Squibb Institute for Medical Research, New Brunswick, N.J.) in "Industrial and Engineering Chemistry" (October, p. 619). Penicillin, it has been found, is inert to iodine in neutral aqueous solution, but penicilloic acid, the inactivation product formed from penicillin by the action of penicillinase or of alkali, consumes from six to nine equivalents of iodine. It has been found that the difference in the iodine consumption under standard conditions, before and after inactivation is, with certain limitations, proportional to the penicillin content of the sample as determined by biological assay. The reaction with iodine takes twenty-five to thirty minutes. The procedure for the assay of pure sodium penicillin G (II) is as follows: A weighed sample is dissolved in water, treated with alkali for fifteen minutes, and then neutralised. A measured excess of 0.01N iodine solution is added; the flask is set aside for thirty minutes and the unconsumed iodine is titrated with 0.01 thio-sulphate solution. Iodine equivalents for penicillins G (II) and F (I) by this method correspond, but it is thought that penicillin X(III) may give a high result. In the assay of unknowns a blank titration is carried out, in which inactivation by alkali is omitted. To avoid errors due to the presence of iodine-consuming impurities, in low-grade samples, the blank sample is back-titrated immediately, without waiting for thirty minutes. While good correlation has been obtained between iodometric and biological assay results on preparations of widely varying potency marked differences are likely to be noted if penicillins other than G (II) are present.

YORKSHIRE DOCTORS' BILLS CIRCA 1700

By Adest

AN article on medical treatment in Yorkshire in the late seventeenth and early eighteenth centuries appears in Part 143 of "The Yorkshire Archaeological Journal." The author, Mr. J. W. Walker, F.R.C.S., F.S.A., discusses with a dry humour that is very effective some of the treatments and remedies ordered by the fourteen medical practitioners whom he names. Of the first of these men (Dr. Edmund Jackson of Doncaster), for instance, he writes: "Mark the reward of patience; his accounts were paid in full—just thirteen years later." In 1929 the late Mr. E. M. Holmes described (*C. & D.*, 1929.I.782) a manuscript prescription and a letter of advice written in 1693 by Dr. John Skelton for Mr. Ralph Thoresby of Leeds. The fact that Dr. Skelton's prescription was much more elaborate than any of those cited in Mr. Walker's article suggests a brief comment on seventeenth-century prescribing in English counties distant from London.

Difficulty of Transport

For prescribers who favoured polypharmacy, the few well-known galenic formulas in the London Pharmacopœias of 1618-1721 inclusive may have sufficed. As a rule, the conditions of provincial life tended to compel relative simplicity in prescribing. An important factor was difficulty of transport. In his "English Social History" (p. 382) Dr. G. M. Trevelyan shows that as late as the reign of Anne the roads of England were practically impassable in bad weather except for pack-horses, and that these horses had to use the comparatively firm sides. The cost of upkeep fell on the parishes through which the roads led: parish authorities grumbled at having to provide in this way for thoroughfares used largely by strangers, and the natural consequence was that the work was scamped. In the eighteenth century this trouble was gradually lessened by the introduction of the system of toll-gates. One result of transport delay and uncertainty must have been that carriage by ship was about as expeditious as carriage by pack-horse or wagon, and that dispensing doctors, apothecaries and chemists often had to wait indefinitely for supplies ordered from the Metropolis. It would be of interest to know whether Liverpool, Bristol or Hull had any imports of drugs in commercial quantities as early as 1700.

The bills, treatments and advice quoted in Mr. Walker's article are on familiar lines. A brief excerpt from the first bill may be regarded as typical of all:

1700.	Jan. 26.	Madame	£	s.	d.
		Copley, Attend-			
		ance, a Cordial			
		Julep, frankin-			
		cense, and pur-			
		gative infusion	0	08	04
	Feb. 4.	A Con-			
		sumptive Plas-			
		ter, leather, Bal-			
		samic Syrup ...	0	02	03

A few of the entries in this account, one of Dr. Jackson's, are worth brief annotation.

Countess of Kent's Powder

To all but a limited circle of readers the term "Kent's powder" may be puzzling. Elizabeth Grey, Countess of Kent, died in 1651. Soon afterwards there appeared a small volume, measuring $4\frac{1}{4}$ inches by 2 inches, entitled: "*A Choice Manuall. OR RARE AND SELECT SECRETS IN PHYSICK AND CHYRURGERY: Collected, and practised by the Right Honourable, the Countesse of Kent, late deceased . . .*" The earliest copy in the British Museum is dated 1653, and is styled the second edition. Numerous editions followed, the noble lady having evidently been a collector of the kinds of recipes that met a public demand. The powder named after her has a comparatively short formula; as I cannot recall that it has previously appeared in the *C. & D.*, it seems worth reprinting:

"Take of the Magistery of Pearls, of Crabs eyes prepared, of white amber prepared, Harts-horn, Magistery of white Corall, of *Lapis contra Yavum*, of each a like quantity, to these powders infused put of the black tips of the great claws of Crabs, to the full weight of the rest, beat these all into very fine powder, and searce them through a fine Lawn Searce, to every ounce of this powder add a drachm of true Oriental Bezar, make all these up into a lump, or masse, with the jelly of Harts-horn, and colour it with Saffron, putting thereto a scruple of Ambergriece, and a little Musk also finely powdered, and dry them (made up into small Trochises) neither by fire nor Sun, but by a dry air: you may give to a man twenty graines of it, and to a child twelve graines."

in 1660 this powder was advertised in the "Public Intelligencer:" it was on sale at a bookseller's shop at 1d. a grain. Other shops soon began to stock it. Bate and Quincy adopted the formula with slight modifications, presumably of their own devising. Bate or Salmon, his translator, suggested that "a much more excellent Medicament might be made with a quarter of the trouble." Quincy substituted jelly of viper's skin for hartshorn jelly as the excipient, and ordered that the black tips of crabs' claws be gathered in June. No explanation of this requirement was given.

Lambatives

Another entry appears as "lambative intment." Punctuation was not Dr. Jackson's strong point, and we may safely guess that a comma between the two words is missing. The Oxford English Dictionary refers the spelling "lambitive," an etymologically correct form used by Sir Thomas Browne. Similarly, Robert James gives in Volume II (1745) of his Medicinal Dictionary the definition "LAMBIVUM. A linctus, or Eclegma." James, it may be remembered, had the assistance of Samuel Johnson in compiling this dictionary. To ascertain more about these synonyms we may go back to Quincy. In his "Lexicon physico-Medicum" (1719) he has: *Lambative*, from *lambo*, to lick, see *Eclegma*." The latter word he derives from *ἐλκω* (I lick up), and defines it as "a form of Medicine made by the Incorporation of Oils with Syrups, and which is to be taken upon a Liquorice Stick: the same also as *Lambative* . . . and *Linctus*." In *Pharmacopœia Officialis & Extensoranea* (1718) the same author gives the further synonyms "lohochs" and "syrups." Their chief purpose he describes thus:

"In short, there are very few of these of any other service, than to promote and ease those Coughs in old Age, which are necessary to keep open the Breast . . . Most of these [lambatives] are too thick for common Phials, because they are difficult to pour out, they should therefore be put into such as are made with wide mouths . . . or into Gally-pots, out of which they are frequently ordered to be sucked off from a Liquorice Stick."

William Salmon, in his version of Bate's Dispensatory (2nd Edition, 1700), translates *Linctus* as "Lambative" in the title of each of the linctuses in the book. And Steele, describing in "The Tatler" of December 1, 1710, a visit to an old lady, has this sentence: "Upon the mantle-tree . . . stood

a pot of lambetive electuary [*sic*], with a stick of liquorice, and near it a phial of rose-water, and powder of tutty."

Balsamum Lucatelli

The balsam of Lucatellus (Locatelli), called Lucatel balsam by Dr. Jackson, can hardly be regarded as quite obsolete, since a formula for it appears in "Pharmaceutical Formulas" Volume I. There is, however, a point of pharmaceutical interest in early eighteenth-century references to it, namely, the choice of colouring. Quincy, in the earlier of his two books referred to, was of opinion that red sanderswood was "a vast prejudice to it" when the balsam was used for dressing wounds. James, in his Dictionary, preferred the Edinburgh Pharmacopœia formula to that of the P.L., which latter, he said, was "very unskilfully directed." The P.Ed. ordered dragon's blood and balsam of Peru. Seven years later James had changed his opinion: in "Pharmacopœia Universalis" he held that red "saunders" was a more suitable ingredient than dragon's blood.

Melilot

Melilot, spelt "mellilot" in the same bill, is so commonly associated with a plaster that its internal use may be unknown to some present-day pharmacists. Quincy, in his Lexicon, commits himself to the statement that the plant is "discussive and aperitive . . . used only in external Remedies." But James, in his Dictionary, says that the flowers are "reckoned among internal Pectorals." A decoction of the leaves and flowers, he adds, is "very good to cleanse the Passages obstructed by Cold," and a decoction of the tops is recommended for colic, rheumatism and other ailments.

The last of the fourteen prescribers, Henry Power, of Halifax and Wakefield, M.D., F.R.S., was probably the best known. He was a friend of Sir Thomas Browne, to whom he wrote in 1649: "There is one inbryd and late disease amongst us (ricketts), wch puzzles me in the cure; for I know not well what Ricketts are neither can I be relieved by any Authour, it being so late standing, that none I know of have attempted to write thereon." The inference is that rachitis was then a recently identified disease.

New Vitamin B₆ Plant.—A report from New York states that a new plant costing \$1½ million (approximately £375,000) for the manufacture of vitamin B₆ is being erected at Elkton, Virginia, U.S.A.

QUOTAS for CHEMISTS

HAIR NETS

Fine Day, Imitation Human Hair, Sleeping Nets and Slumber Nets. Finest quality, attractive shades, available in small quantities at correct prices.

ENQUIRIES FOR EXPORT INVITED

HAIR GRIPS

Wonderful value. Best quality, bronze finish—(carded 8 grips per card). 1/6 per gross plus purchase tax 33½%. Carriage paid for 32/- IMMEDIATE DELIVERY. Maximum controlled selling price 2d. per card.

CROSS & MAX LTD.,
17/18 Bishops Court,
Old Bailey, LONDON, E.C.4.



Metaldehyde

BRITISH MADE

SAFE SOLID FUEL SLUG & SNAIL KILLER

IN PACKETS, 1/3, 2/4, 5/6

Obtainable from
Chemists, Ironmongers & Seedsmen
Sole Concessionaires for the U. K.
and Eire

H. R. NAPP LIMITED
8 & 4, Clement's Inn, London, W.C.3.

DR. NIBLETT'S VITAL RENEWER NERVE SEDATIVE

TRADE TERMS—33½% to Chemists or
through your Wholesaler.

Retail Price 5/- per bottle, including tax

Prepared by **C. P. NIBLETT** Est. 1870
10, Lichfield Terrace
RICHMOND, SURREY Phone RIC 3221

BURROUGH'S ABSOLUTE ALCOHOL

1 Cale Distillery
London, S.E.11

TRAGACANTH

SPECIALISTS IN B.P. POWDER
SAMPLES AND PRICES ON REQUEST
FREUDENTHEIL SMITH & CO., 16 Philpot Lane,
London, E.C.3.
MANHON House 1924 & 6600. Estd. 1826



LIVERPOOL SCHOOL OF PHARMACY
2, BLACKBURN PLACE, LIVERPOOL, 8.

The Principal, H. HUMPHREYS-JONES, sends his best wishes to all former, present and future students.

Work for the Inter. and C. & D.
Qualifying exams. will resume on January 6.

HARVEY'S Horse Remedies

P.A.T.A. Protected Prices
Supplies can now be obtained through
all Wholesale Houses
HARVEY & CO. (DUBLIN) LTD.,
DUBLIN

Write for
BONUS TREATS

VANDER LTD.,
GLASGOW, CA

Surgical Rubber goods, packed - 36/- gross.
Transparent Bottle Teats
wrapped cellophane - - - 24/- gross.
Nylon Toothbrushes - - 10/- & 10/7 doz.

Apply **PHILIP SHRANK LTD.,**
3, Woodberry Grove, Finchley, London, N.12

INFORMATION WANTED

Information with respect to suppliers of the
following items would be appreciated:

Teddy Tail products. Cook's dental biscuits.
Cargenol. Lydia O'Leary toilet preparations.

CHEMIST AND DRUGGIST

ESTABLISHED 1859

for RETAILER—WHOLESALE—MANUFACTURER

Circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain, Eire, British Empire, and foreign countries

Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.

VOL. CXLVI DECEMBER 28, 1946 NO. 3470

The Title "Chemist" in South Africa

ACCORDING to reports which reach us from the Cape, considerable pressure is being brought to bear on the South African Government by technical chemists and other interests, to secure the passage through Parliament of a Chemists' Bill, designed to give recognition and official status to consulting, analytical, research and manufacturing chemists. Technical chemists have for long complained against the privileged position of the pharmacist under the Medical, Dental and Pharmacy Act, in that only a member of the Pharmaceutical Society may be the managing director of any company concerned with the production of a medicated product. There is a provision in the Act empowering the Minister of the Interior to issue permits to persons other than registered pharmacists, but the Minister must consult with the Pharmacy Board whenever applications are made for such exemption. It is stated that, without exception, the Pharmacy Board has turned down applications.

Control in Practice

The chairman of one such company said that there were a number of firms which, because of the 1928 Act, had to employ a registered pharmacist who must also be managing director of the company. In practice, the control was exercised by other members of the board, and the pharmacist was merely a figurehead to satisfy the law. He had to be given a prescribed minimum

salary of £40 monthly, but his services were not necessary. His work could be done equally well by "qualified chemists" or chemical engineers. The speaker said there were many manufacturers who were reluctant to make products which would be classified as medical preparations necessitating the employment of a pharmacist. Another spokesman, principal of a partnership of chemical consultants and engineers in Johannesburg, said recently that the fields of training of chemists and pharmacists were totally different. The training of the pharmacists did not qualify him for work in chemical engineering. The present position had arisen from the fact that the term "chemist" was applied to two distinct professions. "In no language other than English," he declared, "was such confusion possible."

An Intended Safeguard

The controversy has a familiar ring. In this country the use of the title "chemist" is restricted to pharmacists solely in connexion with the sale of goods by retail. Since the apparent purpose of the South African Medical, Dental and Pharmacy Act is to safeguard the public in the distribution of medicines, it seems likely that the requirement that a pharmacist should be on the board of medicine manufacturing companies was intentional. In that connexion the claims of "technical chemists", "consulting chemists", chemical engineers and the rest to be regarded as authorities are much less obvious, and a pharmacist is stipulated for his function, not for his title. By all means call him a pharmacist for that purpose, but do not abandon the principle in confused arguments about the title.

On the point of the "passenger" director, the law can hardly compel the board of directors of any company to make use of the services of every one of its members, but it can, and will, hold the pharmacist responsible for the matters which it places under his jurisdiction, and it is for the pharmacist himself to see that he does not shoulder the responsibility without the power. For the rest, the use of the word "chemist" on a shop has the sanctions of history and popular usage, and no pharmacist seeks to monopolise the word in any other connexion than that of his business.

A BACKWARD GLANCE AT

1946



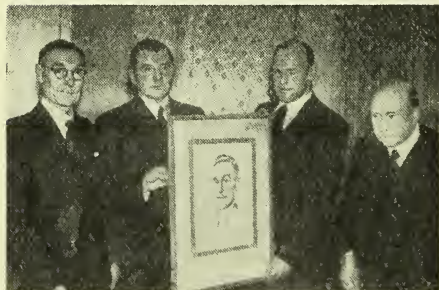
JANUARY: A century of expansion from "physic farmers" to manufacturing chemists is celebrated by William Ransom & Son, Ltd., Hitchin.



FEBRUARY: Pharmacists' spokesmen visit Ministry of Health to discuss N.H.S. proposals. The first three delegates arrive.



APRIL: Mr. J. C. Young, as president, formally opens new convalescent home established by the Pharmaceutical Society at Birdsgrove House, Mayfield, Derby.



MARCH: On occasion of his Silver Jubilee as treasurer of Irish Drug Association, Mr. G. A. McLean Lee is presented with his portrait in oils.



MAY: Pharmacists photographed during visit to works of Evans Medical Supplies, Ltd., Speke, illustrate the popularity of such outings, discontinued during the war, as items in branch programmes of activities.



“Coupled with the name of the secretary,” from an album of signatures is presented by the incoming chairman, the National Pharmaceutical Union celebrates its Silver Jubilee with a banquet in London.



Eighty-second meeting of British Pharmaceutical Conference. Society's new president in conversation with Mrs. Brindle at the Conference luncheon.



Local activities change from indoor events to sports meetings. At Hinstead, Hants, pharmacist victors over an eleven from Bournemouth.



SEPTEMBER: One hundred years as manufacturers of a proprietary pill provide opportunity for a visit by a C. & D. photographer to the works of Eade's Pills, Ltd., London. Picture shows machine pressing of the mass.



OCTOBER: A former chairman greets present office-holder at first post-war dinner in London of Association of British Chemical Manufacturers, at which 300 were present.



NOVEMBER: New badge of office for chairman of Chemists' Federation, provided by the Crookes' Laboratories, Ltd., is formally presented at a luncheon.

New Year Greetings

In reply to our invitation, we have received from the leaders of the professional, retail, wholesale and manufacturing organisations of the drug trade the following New Year greetings messages:—

Co-operation, Understanding and Forbearance

From the PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

I AM glad to send a New Year's message to your readers and to wish them happiness and prosperity in 1947. At this season of goodwill, while conscious of the many difficulties which beset us individually in our daily work, we should do well to reflect on those of others and to remember how much they can be eased by co-operation, understanding and forbearance. The pattern of the post-war world is taking shape, and we can see that the problems facing our country call for much new mental and physical effort and an outlook which sees the tasks ahead as a challenge and inspiration to show that the British people can flourish in a world in which they no longer enjoy the many advantages of earlier days. Among matters of more domestic interest, the main item of attention during the year will be the clothing of the framework of the National Health Service scheme with the regulations and other decisions which will turn it into the finished product. This work will involve much thought and activity on the part of those who will conduct negotiations on behalf of pharmacy, and I trust that their efforts will be fully supported by the pharmaceutical community.

G. R. Knox Mawer,
President.

Relations with Suppliers Never More Cordial

From the NORTH BRITISH BRANCH OF THE PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

SCOTTISH chemists look forward to 1947 with considerable confidence. Stocks in reasonable measure, if not yet actually on the shelf, are within sight. Mutual good will has been strengthened during the diffi-

cult years, and relations with the wholesale houses and other suppliers have never been more cordial. We are assured that, in the new Health Bill for Scotland, the paragraphs relating to the arrangements for pharmaceutical services are identical with those of the National Health Service Act. We may expect a new B.P.—the seventh since the first in 1864—before the new year is far advanced, followed soon thereafter, doubtless, by a new B.P.C. and possibly by a useful new formulary from the Minister of Health. All this, and the increasingly exacting standards of the examination requirements, added to the prospect that we shall, in the not very distant future, all be of University status, are in keeping with the Scottish tradition, dating from 1681 and established by the Royal College of Physicians of Edinburgh, that medicines should be dispensed under qualified supervision, and that no Fellow or Member of the College should dispense the medicines which he prescribes, serve to uphold the principle of the separation of prescribing from dispensing provide good cause for optimism. Greetings and good wishes to the very many of our members now settled successfully at home or forth of Scotland.

Alexander Murray,
Chairman.

A Spontaneous Code of Ethics

From the PHARMACEUTICAL SOCIETY OF IRELAND

THE morale of the Irish pharmacist has never been higher than it is to-day. Each year makes it more apparent that the individual pharmacist is developing within himself a sense of corporate consciousness and pride of profession. This surely marks the beginning of a spontaneous code of ethics. In the years ahead I am satisfied that pharmacists will have need of this morale if they are successfully to resist the current tendency to relegate them to the rôle of retail storekeepers. Our graduates must therefore always keep before them a true perspective of their own functions together with a sense of their true responsibilities to the public. To guard the professional prerogative

From the Drug Trade

gatives of the pharmacist is inherently the primary function of our Society. Based on the Pharmacy Acts our Society will ensure, in so far as lies in its power, that no person, place or thing will be permitted to exploit the pharmacist through the public, or the public through the pharmacist. I send to all Irish pharmacists my best wishes for 1947 and fraternal greetings on their behalf to our colleagues in Great Britain and Northern Ireland. To you, Mr. Editor, I tender the thanks of Irish pharmacy for your generosity in the matter of space over the past year, and on behalf of our Society I wish you a very prosperous New Year.

J. Kevin Whelehan,
President.

Unity and Co-operation in 1947

*From the PHARMACEUTICAL SOCIETY OF
NORTHERN IRELAND*

I SEND greetings and best of luck to all our members at home and abroad. We have just been celebrating our coming of age, and on the whole we have grown up to be a fairly healthy Society. We now work under our new Pharmacy Act and in the near future we will be having a new Health Act. The Council will have to give the Act careful consideration when it does appear, and my message to you all is this—let unity and co-operation be your watch word in 1947.

John W. Gray.
President.

From Destructive to Constructive Conceptions

*From the CHEMISTS' AND DRUGGISTS' SOCIETY
OF IRELAND*

THE best of good wishes to all the members of the craft in Great Britain, Eire and overseas. The cessation of war is comparatively recent, and we are now passing through a phase of doubt and uncertainty as to the possible effects of present and impending legislation: and forebodings of inflation, increased costs, and international crises. We may regard this phase, however, as transi-

tory, and due to conditions yet in a state of flux, a period of adjustment in which we are rapidly moving from destructive to constructive conceptions, to better industrial organisation, more technical efficiency, and greater productivity of labour. But above and beyond all this our hopes are centred in the United Nations Organisation, and we pray that it may be successful in arriving at a common understanding and agreement. It is upon this basis that the success of all our efforts must ultimately depend.

Fred Storey.
President.

The Work of the Healer

*From the SOCIETY OF APOTHECARIES OF
LONDON*

TO the readers of THE CHEMIST AND DRUGGIST, the Worshipful Society of the Art and Mystery of Apothecaries of London sends its New Year greetings and its wishes for their health, happiness and prosperity.

At the end of the second year of reconstruction supplies are better. Penicillin has been released for sale, there has been a welcome return of circulars of information upon old and new drugs from manufacturing chemists. The Society of Apothecaries has always fostered the work of the healer. Recently it bestowed its gold medal upon Sir Alexander Fleming and Sir Howard Florey; many of its freemen have worked or are working in therapeutics or biochemistry; two past masters, Dr. Cecil Wall and Dr. Arthur Gibbons, helped in compiling the British Pharmacopœia; the work of Professor Dodds, our Junior Warden, on stilboestrol is outstanding. Another of our freemen, Dr. Roche Lynch, is President of the Royal Institute of Chemistry. The Society's examination for the Assistants' certificate in dispensing, now 130 years old, attracts many candidates. The medical profession recognises that the holder of it is one of efficiency in dispensing. I am sure the year 1947 will see more progress by the Society in their work of bringing help to the sick.

C. Thackray Parsons,
Master.

Pharmacy has Demonstrated its Ability

From the GUILD OF PUBLIC PHARMACISTS

To all pharmacists, members of the Guild of Public Pharmacists and others, whatever their sphere or position at this time, I send wishes for a happy and prosperous New Year. In moving towards a new conception of the importance of the pharmacist to the community pharmacy has demonstrated its ability and intention to provide the service which the community requires. The new year will bring further opportunities of providing and improving the service which pharmacy alone is qualified to render and of demanding in return a full recognition of the worth of the pharmacist. Pharmacy moves onwards but its pace is retarded by the attitude of those members who are disinterested refusing to play their part. Every pharmacist should resolve that during the coming year he or she will play a full part in fostering and developing the profession.

David Currie,
President.

Opportunity to Widen and Increase Service

From the NATIONAL ASSOCIATION OF WOMEN PHARMACISTS

GREETINGS to all pharmacists at home. Greetings also to those who have set out from our midst to fill posts throughout the Empire. Some, there, may be experiencing a type of national health service resembling the one which is to follow the addition of the National Health Service Act to our own Statute book. With comparative equanimity, pharmacists, unlike doctors and dentists, have watched closely the passage of the Bill, seeing in its few references to pharmacy the opportunity to widen and increase the service they have given patients from their pharmacies during the period of the past thirty years.

Greetings for 1947 must include the wish that pharmacists, in this all-important year, will be true to themselves and to their profession, that they, no less than other professions, will conclude satisfactory negotiations and play a full part in planning to ensure that each member of his public, when he becomes a patient, shall receive the full benefits of the pharmaceutical service which can be given by modern pharmacy.

C. Mozley-Stark,
President.

Pharmacy will Continue to Grow in Stature

From the NATIONAL JOINT INDUSTRIAL COUNCIL FOR RETAIL PHARMACY

It is with absolute faith that pharmacy will find its rightful place in the changing times which lie immediately ahead that I send on behalf of the Council a cordial New Year greeting to all engaged in our great calling. The relations between employers and those employed have continued to progress. Whilst it would be idle to pretend that we have yet secured the solid economic foundation for pharmacy which is so vital to its prosperity, I believe that the work of the Council has contributed substantially towards that end. That rates of remuneration remain in many cases well in excess of the prescribed minima is a matter for congratulation and as the minimum rates can be improved, so we trust it will be possible to maintain that difference. As we approach the inception of the National Health Service, it is incumbent on all engaged in the practice of pharmacy to contribute in every way they can to ensuring that the skill and knowledge of pharmacists are allowed their fullest possible expression in their service of the nation. Pharmacy has in the past made great contributions to the public well-being. Whatever the lines of future development in the pharmaceutical service may be, I firmly believe that in serving the common good, pharmacy as a calling will continue to grow in stature and that it will be able to provide for those engaged in it a satisfying standard of social, professional and economic life. May that be my New Year hope for the craft.

G. A. Mallinson,
Chairman.

The Finest Education Possible

From the BRITISH PHARMACEUTICAL STUDENTS' ASSOCIATION

On behalf of the executive of B.P.S.A. I should like to take this opportunity of conveying New Year greetings and best wishes for success in the coming year to all pharmacy students and apprentices. To the president and members of the Council of the Pharmaceutical Society; to all pharmacists; and also the academic staffs of schools of pharmacy; we send greetings for a very happy and prosperous New Year. Finally, I should like to extend special New Year greetings to pharmacy students in other countries, and also to those young pharmacists serving in His Majesty's Forces.

As we look forward to 1947, let us reaffirm our stern resolve to further pharmacy as a profession and a scientific subject; to secure for all entrants to pharmacy the finest education possible; and upon qualification an adequate remuneration commensurate with their skill and their service to the community.

Stephen B. Challen,
President.

Service to the Community

From the ASSOCIATION OF SCIENTIFIC WORKERS

THE Association of Scientific Workers sends its good wishes for the New Year to all pharmacists, and especially to those who have recently returned from service in the Forces. Under the new National Health Act, pharmacy will, it is hoped, be able to play an even more important part in maintaining and improving the health of the nation than heretofore. Pharmaceutical organisations must themselves ensure that the pharmaceutical arrangements under this Act are such that the professional skill of their members can be used to the fullest extent in service to the community. To those other organisations who are interested, and working, in this field, the A. of S.W. also extends its very best wishes for prosperity and happiness.

J. H. Humphrey,
Chairman, Medical Sciences Committee.

Goodwill Between Employers and Employed

From the CHEMICAL WORKERS' UNION

IN the name of the Chemical Workers' Union and its members, we send to all engaged in the manufacturing, wholesale and retail drug and fine chemical trades, greetings and best wishes for the coming year. The termination of hostilities has eased some problems but created others, which with goodwill between employers and employed can be faced. In the coming struggles for world trade, the allied trades have a part to play besides meeting increased demands arising out of the new health services, and it is certain that, as ever before, they will meet all demands. In both manufacturing and retail distribution there are joint organisations of employers and employed, and through the closest co-operation of these organisations, the future can be faced with confidence.

H. F. Garnett,
President.

Wide Vision and Wise Understanding

From the UNION OF SHOP, DISTRIBUTIVE AND ALLIED WORKERS

THE Union of Shop, Distributive and Allied Workers sends the Season's greetings to those engaged in the pharmaceutical, drug and allied trades. Particularly do those greetings extend to the employees therein whose co-operative spirit expressed itself so splendidly through the years of national emergency and to those returned from the Services, reunited with their colleagues. The U.S.D.A.W., which itself is born on January 1, 1947, as a result of the amalgamation of the National Union of Distributive and Allied Workers with the National Union of Shop Assistants, Warehousemen and Clerks (which includes the Association of Pharmaceutical Employees) is an amalgamation that will at least remove one conflicting argument in organisation. U.S.D.A.W. has thus, in its constituents, had a long connection with the chemical and allied trades. It is represented on J.I.C.'s connected with these trades and has a seat on the negotiating body, the Joint Committee on a National Pharmaceutical Service. We hope the problems which confront us will be solved by wide vision and wise understanding of modern needs and that the National Health Service, in which at least a section of the above trades will play an important part, will prove of inestimable benefit to the common good and provide a reasonable return to those whose knowledge and skill will contribute to the well-being of the nation during the years which confront it.

P. Cottrell,
President.

A United Front for Pharmacists

From the SCOTTISH PHARMACEUTICAL FEDERATION

ONCE again it is my privilege, through the medium of THE CHEMIST AND DRUGGIST, to extend best wishes for the coming year to my fellow pharmacists both at home and those still in the Services. What the future has in store for us is in the lap of the gods. I have always been an optimist with regard to the future of pharmacy and see no cause to alter my opinion in spite of the changes which will take place under the new National Health Service. Our leaders, both in England and Scotland, by their forethought and interchange of points of

view have kept the interests of pharmacy before the powers that be. I believe that the men behind the counter, especially those who did not interest themselves very much in pharmaceutical affairs in the past are rallying behind their leaders, so much so that when the time arrives for the arrangement for terms of service and remuneration under the new service the Government will be faced with a united front. In conclusion, I urge the pharmacist in business to put his house in order so as to meet the changed conditions which will be required in the new service.

Charles A. Buick,
President.

Sales of Medicinals through Chemists

From the IRISH DRUG ASSOCIATION

It is my pleasant duty to wish the members of the Irish Drug Association a very happy and prosperous New Year. Each succeeding year sees our membership growing and with that growth it is only reasonable to assume that our influence in the drug trade in this country stands at a very high level. To consolidate and strengthen that influence each member can help directly and indirectly in maintaining our rightful claim to be the proper channel of distribution for medicines and medicinal preparations. Towards that end I should like once again to remind members of the "Approved List" policy of our Association. That list of approved lines, like our membership, is growing with the years. We on our part will give our wholehearted support to those manufacturers who confine the sales of their medicinal preparations to chemists. One-and-a-half years after the end of the world war, supplies are still difficult so let us all hope that at the end of the year this war-weary world will be back in the position of supply meeting demand and demand meeting supply.

M. Costelloe,
President.

Wise Counsels and Cool Heads

From the ULSTER CHEMISTS' ASSOCIATION

IT gives me great pleasure to send New Year greetings to the various pharmaceutical bodies in Great Britain, and especially to members and associates of the Ulster Chemists' Association. The new year is a time for looking forward. We cannot at any time, and particularly at the present time, foretell the future. Nevertheless we

look forward to the coming year with hope and high resolution. Although I feel, as I think all do more or less, disappointment at the prolonged, and apparently fruitless deliberations of our peace makers, I do hope that wise counsels and cool heads will be successful in solving the problems that face the world and its peoples. I believe that, by the exercise of the same courage and determination which has characterised our dealings with our problems in the past, we shall during the coming year solve those which will arise concerning the projected National Health Service.

R. Gibson,
President.

Partnership of Responsibility

From the WHOLESALE DRUG TRADE ASSOCIATION

To those in the drug industry perhaps the most significant fact about the new National Health Service is that it confirms and places on a more comprehensive footing the position of the pharmacist as the direct supplier of drugs and medicine to the patient. A strong bond of mutual interest and established custom has always bound the wholesale druggist and the pharmacist closely together; the passing of the National Health Service Act will cement this bond into a firm and insoluble partnership of responsibility. It is the pharmacist through whom the pharmaceutical manufacturer and wholesale distributor will find a proper outlet for the products of the manufacturing laboratory and it is in this great responsibility for maintaining the pharmaceutical services of the nation that the wholesale drug trade will continue to find its own fundamental unity. In sending my New Year's greetings to all our members I know that they are with me in extending to pharmacists of this country the assurance that we shall play our full part in helping them to maintain the national pharmaceutical services at the highest levels of efficiency.

Ian Fergusson,
President.

Our Earnest Desire to Serve The Craft

From the NATIONAL PHARMACEUTICAL UNION

THANK you for the privilege of sending a message to the members of the N.P.U. through the medium of your columns. The year now fast drawing to a close has seen the celebration of the silver jubilee of our organisation. Looking back we are entitled

to be thoroughly proud of the results of the work of the past twenty-five years. But what of the future? Surely it must be our constant endeavour to maintain and improve the independence of the N.P.U. We have willingly, in conjunction with the Pharmaceutical Society, put all our resources at the disposal of the Joint Committee on the new National Health Service. It will be our earnest desire at all times to serve the craft that we all love so well and for which we have sacrificed so much. In providing the public with the finest pharmaceutical service possible, I am certain we are entitled to see pharmacy and the pharmacist occupying an honourable position in the new health service. Whilst not desiring to be foolishly optimistic, I feel that we can look forward to a fair reward for our labours. In the meantime, may I wish you all a very happy Christmas and hope that the New Year will see the fulfilment of all our hopes.

Harry Steinman,
Chairman.

Support from all Sections of Pharmacy

From the CHEMISTS' FEDERATION
(Formerly the Chemists' Friends Association)

At the close of each year we are mindful of those events which have provided the milestones of the way we have come, and which show, perhaps, the way ahead. The Chemists' Federation has made considerable strides: witness the development and strength of its policy and the increasing support from all sections of pharmacy. To maintain and develop, through the pharmacist, legitimate business, thus providing a genuine service to the public, is the policy which has knit closely together all three sections of the Federation. That is the way we have come. Ahead lies the awareness of the public of the C.F. service; confidence in the C.F. list and symbol as a guarantee of a high standard of pharmaceutical excellence. Sound business is an essential part of the life of the nation, and, as such, will be stoutly assisted and maintained. May I, on behalf of the Council of the Federation, extend to all our members in Great Britain, Northern Ireland, the Isle of Man and the Channel Islands the best of good wishes and sincere greetings, and look forward with you all to a prosperous New Year.

E. W. Godding,
President.

Opportunities for Restoring Prosperity

From the PROPRIETARY ARTICLES TRADE ASSOCIATION

MAY I extend greetings and good wishes for 1947 to all members of the P.A.T.A.—manufacturers, wholesalers and retailers. The continuing restrictions on supplies and services have made 1946 a difficult year for business enterprise. We have experienced the inevitable aftermath of six years of unparallelled destruction. There seems to be good reason to hope that 1947 will see a nearer approach to conditions in which business enterprise and initiative will find opportunities for restoring true prosperity.

E. Skues,
President.

Chemical Industry Helping in World Recovery

From the ASSOCIATION OF BRITISH CHEMICAL MANUFACTURERS

ON behalf of members of the Association of British Chemical Manufacturers, I convey to all our friends at home and abroad our sincere good wishes for 1947. We are proud to feel that the chemical industries are among the industries which are not only making an effective contribution to our own export trade, but are helping world recovery by the provision of essential raw materials needed by other industries abroad. Of course, there are many obstacles in the path of rehabilitation and further development, and it is essential that employers and employed should strive together to attain higher standards of production and efficiency.

L. P. O'Brien,
Chairman.

Trade Development in the Coming Year

From the PROPRIETARY ASSOCIATION OF GREAT BRITAIN

IT seems only a few weeks since I contributed a message of greetings at the commencement of 1946 and now we are on the threshold of another New Year. Once again, on behalf of the Proprietary Association of Great Britain, I extend best wishes to all engaged in the pharmaceutical and allied trades. I hope that in the forthcoming year we shall all experience greater

satisfaction in the re-establishment and development of trade relationship than has been possible during recent years. For our part we shall endeavour to maintain fair and equitable distribution of our products, both at home and overseas. We regret that continuing circumstances prevent us from meeting all the requests we receive for our products. Especially to our friends in countries abroad we would say that we are doing all we can to meet the exceptional demands they have made upon us. In conclusion, I wish happiness and prosperity to all your readers.

F. A. S. Gwatkin,
Chairman.

May Rackets Cease and Quotas Increase

From the PHOTOGRAPHIC DEALERS' ASSOCIATION

ON my own behalf and on that of the members of the National Council of the P.D.A., I send to fellow pharmacists and photographic dealers greetings and good wishes for 1947. May some, at least, of the restrictions which have hampered our business during the war years be lifted, may rackets cease and quotas increase. At the moment of writing, the film situation shows signs of slight improvement, but the position of paper is not too good. Members will be gratified by the Government move, prompted by the P.D.A., to limit the prices at which films, particularly those of unknown and dubious origin may be sold. Finally, I commend to your notice our examination scheme for photographic assistants, which aims at making staff as expert in photographic, as it is in pharmaceutical, knowledge. May the New Year bring you happiness and increased prosperity.

Harold L. Warner,
President.

Greetings to Overseas Friends

From the TOILET PREPARATIONS & PERFUMERY MANUFACTURERS' FEDERATION OF GREAT BRITAIN, LTD.

AFTER a year of strikingly successful export trade by the British toilet preparations and perfumery industry it gives me great pleasure to send most cordial greetings and good wishes for 1947 from the trade in Great Britain to our many friends overseas and to assure them that we fully intend to make 1947 an even better year. Month by

month during 1946 we steadily increased our exports until by the end of the year we had shipped overseas nearly four times the value of our pre-war exports: this included not only the old and tried preparations—the characteristic perfumes and toilet waters, bath toiletries, brilliantines, etc.—but every type of product in the wide field covered by the industry—beauty and make-up products of all kinds in the newest colour shades, perfumes of every type from the exotic and heady bouquet to the delicate floral fragrance, nursery products, manicure preparations, hair products for both men and women and so on. We are proud of the confidence placed in the industry by overseas buyers and we can promise that we shall not let them down in 1947. I do not underestimate the continual difficulties that traders throughout the world are likely to have to face in 1947 and it is my earnest hope that a closer economic understanding between nations and a lowering of existing barriers to free international trade may be accomplished in the months to come. We in Britain realise the value of personal contact and many of us will be going overseas in 1947 to renew old friendships and to develop new ones among all those to whom I am delighted to be able to send now our cordial good wishes for a prosperous New Year.

L. J. Matchan,
Chairman.

Trading Under Better Conditions

From the BRITISH BRUSH MANUFACTURERS' ASSOCIATION

IT is with pleasure that I accept your invitation to extend a New Year greeting to all the readers of *THE CHEMIST & DRUGGIST*, and I would take this opportunity of wishing them all a very prosperous year. The brush industry will be commencing the new year's trading under better conditions than during the war years, owing to the almost complete decontrol of bristle. In addition to the brushes now being manufactured in nylon, there is no doubt that in very near future pure bristle toilet brushes, tooth-brushes and shaving brushes will be on the market again. I am also glad to be able to inform readers that during the war years considerable development took place in this as well as other sections of the brush industry, and most of our manufacturers are introducing very up-to-date machinery and methods of manufacture into their factories, which will undoubtedly enable them to enter with confidence into world com-

petition. I would accordingly ask your expert readers in particular to give United Kingdom manufacturers the first opportunity of satisfying their requirements, which I am sure they will be able to do in all respects as regards workmanship, quality and price.

Harold C. Palmer,
President.

Freedom Gives an Impetus to Endeavour

From the BRITISH CHEMICAL & DYESTUFFS TRADERS' ASSOCIATION

I AM very pleased to accept the invitation of the Editor to extend New Year greetings to members of the Association and to many friends in the chemical industry. Progress has been made in all sections of the British chemical trade and the upward trend in the

volume of overseas trade in chemicals and drugs represents an important contribution to the export drive. I feel sure much more could be achieved if industry and commerce could proceed unhampered by restrictions, high taxation and the shadow of State interference. The U.S.A. has recognised that freedom gives an impetus to endeavour and enterprise whilst we in Britain remain under an ever-growing bureaucratic machine. With the coming of the New Year we must hope that wiser counsels will prevail which will renew our faith in ultimate and lasting recovery, and bring about the determination on all sides to put forth a maximum effort. Let us enter the spirit of 1947 with courage and continue to strive for enduring peace and prosperity.

Victor Blagden,
President.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

THE Council of the Pharmaceutical Society of Northern Ireland met in Belfast on December 13, Mr. J. W. Gray, J.P. (president) in the chair. There were also present Messrs. John McGregor (vice-president), H. H. Cowzer (treasurer), J. Abernethy, H. F. Moore, J. McDowell, Walter C. Tate, P. R. W. Shinner, H. W. Gamble, W. H. Boyd, Professor E. B. C. Mayrs and Mr. W. Gorman (secretary). Apologies were received from Messrs. F. R. Moore, J.P., J. Irwin and James Glendinning.

THE SECRETARY reported that it had been agreed to discuss the question of reciprocity for those who qualified under the "modified regulations" during the visit of the president and secretary of the Pharmaceutical Society of Great Britain to Belfast in March. MR. McDOWELL suggested that Mr. Linstead should be invited to give a lecture during his stay on the new Health Service legislation in England. A motion to this effect was proposed by MR. McDOWELL, seconded by MR. MCGREGOR, and passed unanimously. It was also agreed that the March meeting of the Council should be fixed to enable the visiting president of the Pharmaceutical Society of Great Britain to attend.

University Representatives

A letter was received from the Senate of Queen's University stating that Professor Mayrs and Professor J. Small, the present representatives on the Council, had been

appointed to serve for a further period of three years as University representatives.

THE SECRETARY again reported on the question of the most suitable place for "thyroid gland, active principles of, their salts" in the Poisons Schedule to conform to English labelling practice. It had been suggested at the previous meeting of the Council that the difficulty could be met by placing thyroid in Section I of Schedule VII, but on further examination it was considered that it might be better to place it in Schedule I together with œstrogenic substances. The change was proposed by MR. MCGREGOR, seconded by PROFESSOR MAYRS, and approved. Action will be taken accordingly with the Ministry of Home Affairs.

A letter was received from the *Fédération Internationale Pharmaceutique* stating that the 1947 conference would be held in Zurich in August.

THE SECRETARY reported that a small number of members had failed to pay the retention fees due in September, although they had been circularised twice. Most of those concerned were living in England or Eire, so that it was not necessary for them to be members of the Society. Anyone struck off could be reinstated on payment of the outstanding fee. It was decided, on the motion of MR. McDOWELL, seconded by MR. BOYD, that the names of members who had not paid their retention fees by January 1 should be struck off.

Certificates of apprenticeship were granted to the following, who had submitted recognised qualifications: Leslie W. Prelon, Ballymena; Rose G. Tierney, Geoffrey C. Willmann, Londonderry; Robert H. Ryans, Portadown; Charles T. T. Lafferty.

Deputation to Ministry

The Education Committee recommended that a deputation should be appointed to interview the Ministry of Home Affairs on the question of holding further examinations under certain parts of the old syllabus, and on instruction in the Belfast College of Technology, particularly with reference to the establishment of a department of pharmacy. It was also recommended that the examination question should be discussed at a special meeting of the Education Committee. The Committee's minutes were adopted on the motion of Messrs. MCGREGOR and TATE. It was decided that the deputations should consist of Messrs. McGregor, McDowell and Tate, with the secretary.

MR. GAMBLE referred to complaints about the thirty working hours required under the new Regulations. It was held that complaints should be made in writing for consideration by the Council.

Examiners' Report

The report of the examiners at the December examinations showed that in the Final Qualifying Examination, Part II, twenty-nine candidates sat, nineteen passed, five were referred and five failed. Three were referred in physics and two in chemistry. The examiners were Mr. G. Perrins and Dr. J. E. Driver. In the Preliminary Scientific, Part I, fifty candidates sat, twenty passed, twenty were referred and ten failed. Two were referred in physics, two in chemistry, one in botany and chemistry, two in botany and physics and thirteen in chemistry and physics. The examiners were Professor K. G. Emeleus, Dr. M. J. Lynn, Dr. Driver and Mr. W. E. Armour. It was agreed that the certificates of the successful candidates should be presented to them at the January meeting of the Council.

New Health Service

A discussion took place on the desirability of following up the suggestion made by the Minister of Health and Local Government at the Society's coming-of-age dinner that the pharmaceutical profession should submit proposals as to the place it ought to

occupy in the new Health Service. MR. ABERNETHY said it was important that the Council and the Ulster Chemists' Association should take full advantage of the invitation. MR. SHINNER said that by no pressing its claims the Society had failed to obtain representation on the Health Advisory Council. THE PRESIDENT said the Society had asked for representation but they had been informed that the Health Advisory Council was dealing with administrative matters; the Society would be consulted before anything was done. MR. McDOWELL suggested that the Council should appoint a deputation to hold a preliminary discussion with the Ministry of Health with a view to forming a joint committee representing the Council and the trade to consider the matter. It was decided that the deputation should consist of Mr. McGregor and Mr. McDowell with the secretary and that the members of the Council should be supplied with copies of the English Act to study.

CROSSWORD SOLUTION

KEY to "Plowman's" Christmas Crossword puzzle set in *C. & D.*, December 21, p. 812.

I	R	I	S		A	N	T	A	C	I	D
E		M	A	L	E		N	D			
O	T	T	O		O	R	A	N	G	E	S
I		K	I	E	V	A		A			
A	N	T	E		S	E	S	S	I	L	E
T	A	R	D	Y		S			L		L
O		I		I		O	P	I	U	M	
M	I	N	C	I	N	G		H	O	P	S
O		I		F	A	C	E		T		
I	N	S	T	A	L	L		N	O	U	S
F		A		O	L	E	O	R			
F	E	L	L	O	W	S		L	A	N	E

Prescription Problem Solution

THE correct rendering of the prescription reproduced in *THE CHEMIST AND DRUGGIST*, December 21, p. 812, is as follows:—

R. Tab. Ergotamin Tartrate
Sig. i before attack.
Mitte vi.

HEREDITY AND ENVIRONMENT

Summary of an address given by Dr. F. A. E. Crew (Professor of Public Health and Social Medicine, Edinburgh University before the North British Branch of the Pharmaceutical Society recently.

PHARMACY and medicine are different but allied professions dedicated to the active promotion of the health, happiness and efficiency of the people. From time to time we should lift our eyes from our immediate tasks and endeavour to inform ourselves as to the value of our efforts to the community. If our theories are sound and our practices scientific, we can surely expect that the attacks upon ill-health which have so consistently been made shall have achieved some discernible measure of success. The general healthiness of the population, as measured by the relative infrequency of morbidity of a major kind, has never been better, in spite of the deprivations and anxieties of the war years. The children of today are taller and heavier than were their parents at the same age. Infant mortality in Scotland has been falling, and the expectancy of life for the young and the middle-aged has become progressively lengthened. The marriage rate and the birthrate have risen, and the population increased in total numbers. There are on the other hand a rising divorce rate, much absenteeism, an increasing social pessimism and a tendency towards the vulgarisation of cultural life.

"Determination to Refashion"

On all sides there is expressed a fierce determination to refashion the environment in which the people are living. Legislative measures are busily attempting to overwhelm misery, malnutrition, poverty and insecurity. The environmentalist reasonably presents the view that a great deal of ill-health and inefficiency is due to deleterious factors present in the physical and external world, preventing normal healthy development. There is the suggestion that the typical Scot at the moment of conception is potentially endowed with the promise of robust health and remarkable efficiency; if later he proves to be otherwise, it is because his environment has prevented the expression of his most admirable qualities. If this is granted, it follows that, if the environment that is Scotland is swept clean of all hindrances to normal development, and is packed with stimuli to provoke healthy growth of mind and body, the Scot will achieve an even greater grandeur in the future than in the past.

The Scotland that we are determined to create, however, will provide an environment that will demand for its full enjoyment a human population endowed by nature with the capacity to take the fullest advantage of it. The people now living, who will provide the inhabitants of this new world, are demonstrably not all the same in general ability, character, emotional stability, will-power, humour and sociality. It becomes a matter of profound importance to inquire into the reasons for these differences. Are the dull and backward and the feeble-minded the product of a faulty social structure or of the poverty of their initial organic endowment? Will Scotland produce an increase in the relative numbers of the able? We as a people cannot be healthy if the general level of intelligence of the population is low and tends to become lower.

Instruments or Measuring Intelligence

During recent years, developments in psychology have provided instruments of precision for measuring the general intelligence of an individual or of a group. By general intelligence is meant mental capacity, mother wit, the ability to grasp ideas and to comprehend complexities: and it is mainly an inborn ability independent of special training or education. Such ability, measured by means of a battery of tests, becomes fully expressed by the age of about fifteen years, growing very rapidly up to this age but not at all thereafter. It is possible by the use of such tests to assess the mental age of any given individual. The mental age multiplied by a hundred and divided by the actual age of the individual gives what is called the intelligence quotient or I.Q. Categories ranging from idiots (I.Q. 0—25) to those of very superior ability (I.Q. 120 — 140) exist in any given population. It is generally agreed that the attribute that these intelligence tests assess is the product of the interplay of nature and nurture, of an inborn potentiality and an environmental opportunity. Nature plays the greater role. It would be expected that the distribution of the various grades of general ability among a population would be similar to the distribution of stature, and that in a population such as the Scottish there would be about 5 per cent. of the highly gifted, 20 per cent. of the more

than usually able, 50 per cent. of average ability, 20 per cent. of individuals exhibiting ability of various grades but all below the average, and 5 per cent. that are completely subnormal and feeble-minded or worse. If the distribution of general ability in the population is markedly different so that, for example, there are disproportionate numbers of individuals of less than average intelligence, then it would mean that the new social structure would have to be attuned to the needs of the poorly endowed.

Ability and Income

As measured by the intelligence tests now in use, the grade of general ability exhibited by a given individual tends to be associated with the socio-economic group to which he belongs. The higher the socio-economic class, the higher is the average I.Q. of its component members. In general it is found that the highest grade of general ability is found among the professional classes and the lowest grade is associated with the least complicated and least responsible tasks that are undertaken in our society. Thus there tends to be a harmony between the general ability of a socio-economic group and the responsibilities which its members are called upon to undertake. Do the conditions which surround or imprison a particular socio-economic group so thwart human development that a low grade of general ability must inevitably result, or, on the other hand, does the grade of the general ability of an individual tend to place him in his appropriate socio-economic niche?

The grade of general ability of children has been shown to have a definite and significant relation to that of their parents. The children of the different socio-economic groups are to be distinguished amongst themselves by differences in the average level of general ability. The range of intelligence quotients from the children of professional workers to those of unskilled labourers is only twenty points, and all fall within the categories "average to superior ability." None are subnormal, so that the differences between them do not divide them into good and bad but only into different grades of goodness. Are these differences due to the environmental inequalities which undoubtedly distinguish the different socio-economic groups, or are they expressions of differences in respect of inborn capacity?

When children are reared in institutions or by foster parents apart from their own

parents, there tends to be a correlation between their I.Q.s and those of their actual parents. The I.Q.s of children transferred from bad environments to good have in a number of studies moved up, but by no more than a few points. It has been suggested that improvement in general ability in such cases is to be expected only when the transfer from bad to good has been carried out at a very early age.

Identical twins having the same hereditary constitution do not have the same I.Q., although they are much more alike in this respect than are fraternal twins. Certain studies would seem to show quite conclusively that, in the main, differences in respect of general ability are the expression of differences in inborn capacity. Education makes a relatively small contribution.

There is no evidence to show that disease, save of the brain itself, and malnutrition affect the I.Q., but deafness and blindness necessarily retard the capacity to learn. It is a matter of some interest to note that in respect of this general ability there is no difference whatsoever between the male and the female, whilst the evidence that would seem to suggest that there are "racial" differences in respect of this quality is inconclusive.

There is apparently a negative correlation between the intelligence of the child and the size of the family to which the child belongs. In general the larger the family the lower is the average I.Q. of its components, perhaps because the more intelligent amongst us tend to marry later and produce fewer children. The later members of a large family tend to have an older mother and the I.Q. of the child seems to be influenced by the age of the mother. On the whole the average general ability of city children is higher than that of country children.

Fall in Average I.Q.

The average intelligence of total population, as measured by the tests, seems to be sinking generation by generation. There is, it appears, a slight but nevertheless significant difference in the average I.Q. between parental and filial generations, a difference of about two to three points. It is most important to be sure that this observation is correct: that the drop is not due to faulty sampling or to differences in the techniques of investigation or in the standards used. We must also discover whether or not the gentle but progressive lowering of the average intelligence is taking place in Scotland as well as elsewhere.

Finally we must satisfy ourselves that this phenomenon, if it is occurring, is really of serious importance: whether the new world we are planning will demand for its management and enjoyment a majority of inhabitants highly endowed with the qualities these tests disclose, or whether in the Scotland of the future qualities other than the ability to deal with abstractions, concepts and relationships, qualities such as character, emotional stability, humour and aptitude in the design and control of mechanical contraptions will be of greater value.

Intelligence and Offspring

Is the reproductive rate of parents with I.Q.s of eighty and under significantly higher than that of parents with I.Q.s of 120 and over? We have no means as yet of answering this question: there are no adequate records. Should it prove to be so then we must decide whether or not it is of importance. Appropriate steps to check or reverse the process can be taken only by reducing the number of offspring contributed to the next generation by the poorly endowed and increasing the contribution of the highly endowed. Legislative action must be based on biological rather than on economic considerations.

Town planning must be designed to increase the family size of the skilled artisan, the clerical worker, the business man and the professional classes, and to decrease the family size of the unskilled and the incapable. The producers must be encouraged to reproduce as well as to produce. Democracy is impossible unless the majority of the citizens are competent to understand social and political complexities. The lower the average I.Q. the more likely it is that the ballot box will become the servant of the tyrant.

At the present time the Dominions are attracting the skilled artisan, reinforcing themselves by individuals of our stock who are likely to be of average or above average I.Q. Scotland is losing craftsmen whose going will tend to disturb the average of intelligence in the population, not only in this direction but also in the future. Developments in the educational field, the raising of the school age, adult education, the suggested foundation of a fifth University, all derive their impetus from the assumption that large numbers of our young people are so equipped in respect of native ability that they can easily pass through these institutions. If the average intelligence is falling then ultimately it may be necessary to widen their gates.

CHEMISTS' FEDERATION

A MEETING of the Council of the Chemists' Federation was held on December 5, the president of the Federation in the chair. A meeting of the C.F. Standards Committee had been held on the previous day.

An application for manufacturer membership of the C.F. from British Felsol Co., Ltd., in respect of Felsol powders was considered and accepted.

Three other applications were considered and were deferred for further consideration to enable matters concerning claims made and terms offered to be taken up with the manufacturers concerned.

The following applications for additions to the schedules of existing C.F. agreements were considered and accepted from Wigglesworth, Ltd., in respect of Gould's black cherry linctus and Fumora cigarettes, from Christie George & Co., in respect of Calobalm antiseptic calamine balm; and from Southern Utilities, Ltd., in respect of Anaemax.

A report of the first two meetings of the C.F. Finance and Organisations Committee was received and adopted. A permanent *Finance and Organisation Committee* was appointed to consist of the following members:—The president, the treasurer and Messrs. G. A. Mallinson, R. C. Feather and F. J. Smith.

The following C.F. manufacturers' representatives were appointed as members of the *Northern Ireland C.F. Committee*:—

Mr. R. J. Jeffers (Allen & Hanburys, Ltd.), to serve for a further period of two years; and Mr. C. J. Hall (Evans Medical Supplies, Ltd.), to serve for a further period of one year.

It was reported that no C.F. manufacturer had objected to the extension of C.F. agreements to cover the Channel Islands and it was decided that this extension of the activities of the Federation should take effect from January 1. In connexion with the extension, it was agreed that the application of Renoufs, Ltd., 45 Don Street, Jersey, for wholesaler membership of the C.F. should be accepted.

Other matters discussed by the C.F. Council included the sales of C.F. products by unqualified traders, supply of C.F. products to approved drug stores, the question of special discounts given by C.F. manufacturers to retail chemists acting as depôts, and the arrangements to be made in connexion with the next annual meeting of C.F. manufacturers, which is to be held in London on January 30, 1947.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex St., W.C.2, December 24

ONLY a negligible amount of business is being transacted this week, and most business premises are closed from this evening until December 30. There have been no price changes notified in PHARMACEUTICAL CHEMICALS. In this issue, quotations for a number of additional products, mainly imported from the United States, are given. In some instances supplies are small and it is not always possible to satisfy the requirements of would-be buyers. No appreciable changes have occurred in the market for CRUDE DRUGS which has experienced quiet conditions during the past week. Shipment quotations for current-crop and new crop GUM ACACIA are given; spot prices are somewhat easier. There has been a fair amount of business done in WAXES. Quotations for CARNAUBA are lower and a similar easier tendency is noted in CANDELILLA.

The London Commodity Exchange, which closed at 12.30 p.m. today, will reopen on Friday morning, December 27.

Pharmaceutical Chemicals

ADRENALINE.—Natural is quoted at 5s. 6d. to 6s. per gram; synthetic is priced at 2s. to 2s. 3d. per gram.

AMIDOPYRINE.—Quotations are in the region of 37s. 6d. per lb., according to quantity. Supplies are limited.

ASPIRIN TABLETS.—Makers quote bulk supplies per 1,000 as follows: Under 5,000, 3s. 6d.; 5,000 and over, 3s. 4d.; 10,000, 3s. 3d.; 25,000, 3s. 1d.; 50,000, 3s.; 100,000, 2s. 11d.; 250,000, 2s. 10½d.; 500,000, 2s. 10d.; 1,000,000, 2s. 9d.

BENZOCAINE.—Quoted at 32s. 6d. to 37s. 6d. per lb., according to quantity.

BENZOIC ACID.—In limited supply, small quantities are quoted at 2s. 9d. per lb.

BORIC ACID.—The following are makers' current rates per ton lots of B.P.: Granulated, £60; crystal, £61; powder, £62. Commercial grades, £8 per ton less. Packed in 1-cwt. bags, delivered carriage paid in Great Britain, in 1-ton lots and upwards.

BROMIDES.—Prices unchanged. **POTASSIUM**, in quantities of 28 lb., is quoted at the following rates per lb. (containers in brackets): 3s. 2½d. (1-lb.); 3s. 1d. (4-lb.); 3s. (7-lb.); 2s. 11½d. (14-lb.); 2s. 10½d. (28-lb.). **SODIUM**, 1½d. per lb. less, and

AMMONIUM, 1½d. per lb. more, than above prices. Prices are net, without engagement.

CALCIFEROL.—Quoted at 11s. to 12s. per gram.

CHLORAL HYDRATE.—Prices are as follows: 28 lb., 4s. 5d. per lb.; 14 lb., 4s. 9d.; 7 lb., 5s.; less than 7 lb., 5s. 6d. per lb.

CODEINE.—Prices per oz., current in the home markets, are: PURE, ½ oz., 51s. 9d.; 1 oz., 49s. 3d.; 2 oz., 47s. 9d.; 3 oz., 47s. 4 oz., 46s. 9d. **HYDROCHLORIDE**, ½ oz., 46s. 4d.; 1 oz., 44s.; 2 oz., 42s. 6d.; 3 oz., 41s. 9d.; 4 oz., 41s. 6d. **PHOSPHATE**, ½ oz., 40s. 9d.; 1 oz., 38s. 3d.; 2 oz., 36s. 9d.; 3 oz., 36s.; 4 oz., 35s. 9d. **HYDROBROMIDE** and **IODINE** as PURE; **SULPHATE** as **HYDROCHLORIDE**.

GLUCOSE.—Powdered monohydrate for the home trade is quoted as follows: 14 lb., 28 lb., in 14-lb. lots, 11½d. per lb.; 28 lb., 112 lb., in 14-lb. lots, 11½d.; 28-lb., 10½d.

GUAIACOLS.—Current prices are as follows: Liquid, 16s. per lb.; crystal, 15s. per lb.; carbonate, 15s. per lb. Supplies are limited.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): **ALKALOID**.—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (4s.). **HYDROCHLORIDE**, **HYDROBROMIDE** and **SULPHATE**.—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

HYOSCINE HYDROBROMIDE.—Makers' price for 1 gram is 6s. 6d.; 1 oz., 150s.; larger quantities are quoted at 147s. 6d. per oz.

ICHTHAMMOL.—Importers give the following prices per lb. for B.P. material: bulk 4s.; tins, 28-lb., 4s. 9d.; 14-lb., 5s.; 1-lb., 5s. 10½d.

LACTATES.—Prices are as follows: **LACTIC ACID**.—Six-winchester lots, 3s. per lb.; smaller quantities, 3s. 1d. **CALCIUM LACTATE**.—Small quantities, 2s. 5d. per lb. **CALCIUM SODIUM LACTATE**.—Powder, small lots, 3s. 7d. per lb.; 14 lb., 3s. 4d.; 28 lb., 3s. 2d.; granular, one penny per lb. extra.

MANDELIC ACID.—Demand is good. Current prices are as follows: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

MERCURY SALTS.—Current rates per lb. are as follows: **AMMONIUM CHLORIDE**, B.P., powder, 10s.; lump, 9s. 10d. **BICHLORIDE**, B.P., powder, 8s. 10d.; lump or granular,

9s. 2d. MERCUROUS CHLORIDE, B.P., 10s. 3d. RED OXIDE (LIGHT), B.P., 11s. YELLOW OXIDE, B.P., 11s. 7-lb. lots are 6d. per lb. less than above prices.

MORPHINE.—Prices per oz. current in the home market are: PURE, $\frac{1}{2}$ oz., 55s. 3d.; 1 oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz., 50s. 3d. HYDROCHLORIDE, $\frac{1}{2}$ oz., 46s. 9d.; 1 oz., 44s. 3d.; 2 oz., 42s. 9d.; 3 oz., 42s.; 4 oz., 41s. 9d. BIMECONATE and TARTRATE, as PURE; ACETATE, HYDROBROMIDE and SULPHATE, as HYDROCHLORIDE.

PHENACETIN.—In limited supply. Small quantities would be worth 4s. 6d. per lb.

PHENAZONE.—Importers' quotations are at 18s. to 20s. per lb.

PHENOBARBITONE.—Current price of this chemical and of SOLUBLE PHENOBARBITONE is 35s. per lb.

Crude Drugs

ALOE.—Curaçao is steady at 270s. per cwt., on the spot; forward, from 235s. to 245s., c.i.f. Cape is not available.

ANISE (STAR).—Steady. Quotations are unchanged at 190s. to 210s. per cwt., on the spot; shipment, 120s., c.i.f.

ARECA NUTS.—Ceylon is firmly held at 65s. per cwt.; shipment, 62s. 6d., c.i.f.

BUCHU.—Quiet market. Short-rounds are offered from 4s. 3d. per lb., on the spot.

CALABAR BEANS.—Steady. Quotations are at 1s. 9d. to 1s. 10 $\frac{1}{2}$ d. per lb., ex-warehouse Liverpool.

COLOCYNTH.—Fine-white is quoted at 2s. 6d. per lb., spot; medium-white, 2s. 3d. per lb.

DIGITALIS LEAVES.—Portuguese is steady at 130s. per cwt., spot; English-grown, from 2s. 3d. to 2s. 6d. per lb.

ERGOT.—Fair material is quoted at 5s. 3d. per lb., on the spot.

GENTIAN.—Quotations for French root are steady at 112s. per cwt., spot.

GINGER.—Jamaica No. 1 is steady at 130s. per cwt.; No. 2, 115s.; No. 3, 105s. African is unchanged at 82s. 6d., on the spot.

GUM ACACIA.—Kordofan cleaned sorts, 74s. per cwt., spot London or Liverpool. Shipment, current crop, 70s., c.i.f.; new crop, March-April, 70s., c.i.f.

HENBANE.—Indian leaf firmly held at 250s. per cwt., spot. Egyptian (*muticus*), shipment, 80s. per cwt., c.i.f.

MERCURY.—Government-owned stocks are quoted at £25 per flask. Future deliv-

ery, quoted £20 15s. per flask. For shipment, £20 6s., c.i.f., U.K.

MYRRH.—Quotations for Aden sorts are firmer at £14 to £17 per cwt., according to quality; siftings are quoted at £10 per cwt.

NUTMEGS.—West Indian, 80's, is worth 4s. 9d. per lb.; sound unassorted, 4s. 6d., on the spot, sellers.

ORANGE PEEL.—Spanish quarters, quoted at 1s. 9d. per lb., on the spot; sweet ribbon, 1s. 9d. per lb. Italian bitter quarter, 1s. 6d. per lb., spot.

PAPAIN.—Scarce on the spot. Nominal quotation, 25s. per lb. In East Africa, the demand for this product continues, mainly from the U.S.A., and the local price in the Arusha district has made a further increase, states a Barclays Bank (Dominion, Colonial and Overseas) report, and now stands at Sh. 21.25 per lb.

PIMENTO.—Quiet. Quoted at 1s. 1d. per lb., spot, sellers; 122s. 6d. per cwt., c.i.f. The Barclays Bank "Overseas Review" reports that the Jamaica crop is now coming in and prices are in accordance with the Government Order, which sets a minimum of 43s. per 100 lb. to the grower, and 48s. per 100 lb. to the country dealer for deliveries to Kingston. A reliable estimate of the crop is not yet possible but it is expected to be up to recent averages.

PYRETHRUM.—Ministry's supplies are available at 196s. per cwt., less 5 per cent. for 5-ton lots and 6 per cent. for over 10 tons. A Barclays Bank report states that better weather conditions in Kenya have improved flowering and increased deliveries are expected. Labour difficulties continue to hamper picking in the Kilimanjaro area.

WAXES. — CARNAUBA. — Fatty grey, 1,020s. per cwt., spot; January-February shipment, 880s., c.i.f. Chalky grey, 950s. per cwt., spot; shipment, 870s., c.i.f. Prime yellow, 1,200s. per cwt., spot; January-February delivery, ex store, 1,150s.; January-February shipment, 1,050s., c.i.f. CANDILLA.—Spot, 445s. per cwt.; forward, 440s., c.i.f. BEES.—Dar-es-Salaam, spot, 350s. per cwt.; shipment, 347s. 6d., c.i.f. Benguela, spot in bond, 310s. per cwt.; shipment, 315s. Lindi, 347s. 6d., spot; shipment, 345s., c.i.f. Sudanese, spot, 342s. 6d. per cwt., duty paid; shipment, 310s., c.i.f. MONTAN.—Crude Czechoslovakian, 355s. per cwt., spot. OURICURI.—5 per cent., 355s. per cwt., spot; shipment, 6 per cent., 490s.

CORRESPONDENCE

Acknowledgment

SIR,—I wish to express my hearty thanks to all those who participated in exhibiting such a high mark of favour to me as was evidenced at the presentation which took place at the Merchant Venturers' College, Bristol, on December 5. I should like to write to each individual to show my appreciation, not only of his or her share in the handsome gift of which I was the happy recipient, but, also, of the kind thoughts behind it; this is quite impossible. Many happy memories will be mine as I muse upon our past associations.

D. J. WILLIAMS,

Former Head of the School of
Pharmacy, M.V.T.C., Bristol.

For A' That

SIR,—The comment of a member of a brains trust organised in Brighton by the local branch of the Pharmaceutical Society (*C. & D.*, December 14, p. 788), that the use of a brightly coloured nail varnish was a means of catching a man's eye and of diverting it from other blemishes has, perhaps, a moral for pharmacy. With women, any illusion created by the use of such forms of "bait" is no doubt dispelled on further acquaintance. By the same token, perhaps, the impression created by any fancy-sounding titles which it may become the privilege of pharmacists to use, if certain recommended policies secure approval, may not prove enduring, should it be found that the "Pharmaceutical Chemist" of tomorrow is but the "Chemist and Druggist" of yesterday, and that the description "Fellow of the Pharmaceutical Society" has been applied as merely a "nail-varnish" to cover the present Ph.C. Our present qualifications may not be all that could be desired, but are we not deceiving ourselves in thinking we can increase their prestige by a mere change of titles?

London, N.6.

COLOUR BLIND.

"Dead Hand" on Pharmacy

SIR,—May I thank Xrayser for his very able review of the Society's "masterly inactivity." I find it a matter of great satisfaction to read in your columns expressions of opinion which I have voiced for so long. There is a good deal of criticism of the way in which our affairs are managed. But the vast majority of pharmacists who voice this criticism seem to think it is not

worth while trying to do anything about it. And one can hardly blame them. If one dares to criticise the Council or its permanent officials, one is accused of being "disloyal" or "disgruntled." A whispering campaign is launched and the columns of the society's journal are used to embarrass or nullify one's efforts. Any enthusiasm to make pharmacy a dynamic and progressive craft is regarded as an impertinence, and no matter how much energy and effort are made, unless the cause has the approval of No. 17 it undergoes a process of vituperation and senseless opposition. There is a "dead hand" which rules our craft. Every light your journal can throw on this earns the gratitude of all pharmacists who are alive to the dangers which a never-ending policy of drift and negation involve. Thank you, Xrayser. The Society in examining its constitution may yet realise that its monopoly as an examining body demands active protection of its graduates.

Edgware.

J. ROSS-MANSELL.

An Examination Paper

SIR,—I feel sure there are many "qualified" who, like myself, take an interest in what someone else was given for his practical pharmacy paper in the Qualifying examination. The paper given below was set for the Northern Ireland examination. It shows that the standard in that area is as high as at York Place, Edinburgh (I well recall my fateful days there!) and Bloomsbury Square, London. When the Christmas rush is over, perhaps some of your subscribers would like to try the questions on the apprentice.

I

Pulv. trag.	1 gm.
S.V.M.	7 mils
Glycerin.	14 mils
Ol. arachis	3 mils
Tinct. benz. simp.	2 mils
Aqua ad	100 mils
Ft. cremor.	M. d. u.

II

Ichthvol.	gr. v
Antifebrin.	gr. ii
Atropin. alk.	gr. 1/75
Ft. supp.	Mitte tabs. v. M. d. u.

III

Prepare and send 50 c.c. liq. iodi mit.

IV

Ferri et quin. cit.	3i
Sodii salicyl.	3ii
Aquam ad	3vi

Sig.: Coch. amplum quartis horis sumend.

V

Prepare 50 c.c. of a solution containing 5 per cent. w/w iodoform in ether meth. 0.730.

BELL ARMAGH.

OVERSEAS TRADE NEWS

Savannah Rosin and Turpentine Market.

—The U.S. Civilian Production Administration has announced a 50,000 drum increase in the rosin export quota for the quarter ending December 31, 1946, bringing the total which may be shipped abroad to 125,000 drums. This is regarded by the industry as a forerunner to complete decontrol of trade.

Production of Medicines in Japan.

The average monthly value of the output of patent medicines in Japan during the first six months of 1946 was 46,230,289 yen, states the U.S. "Foreign Commerce Weekly." Arrangements have been made to distribute through normal trade channels patent medicines valued at 51,000,000 yen. The ratio of Japanese yen to U.S. dollars is 15 to 1, under the Allied Control Commission. The value of production of biologicals in Japan reached a monthly average of 4,929,150 yen in the first half of 1946. Their manufacture was resumed in December 1945. A wide range of vaccines and sera has been produced.

Brazil's Menthol and Mint Oil Exports.

—Exports of menthol through the port of Santos during the first six months of 1946 amounted to 166,959 kilos. Of this amount, 94,182 kilos went to the United States and 37,655 kilos to Great Britain. France, Switzerland, Spain, and Sweden were other markets. In 1945 exports of menthol totalled 568,409 kilos, the U.S. taking 454,019 kilos; Great Britain, 71,266 kilos; and Sweden, 21,568 kilos. Mint oil exports during the first half of 1946 totalled 54,946 kilos. Great Britain purchased 31,388 kilos; the U.S., 6,204 kilos; and France, 16,846 kilos. In July, stocks of mint oil amounted to about 20 tons and of menthol crystals, between 150 and 200 tons.

Argentine Linseed.—The latest official Argentine crop and weather report states that the outlook for the linseed crop is generally favourable, notwithstanding reports of excessive rains, hail, high winds and rust damage, while the amount of locust damage reported is relatively small. Linseed yields in northern Buenos Aires are around 1,000 kilos per hectare; in South-western Santa Fé the range is from 800 to 1,000; in North-western Santa Fé 500 to 800; Central Santa Fé 900 to 1,100, and in Entre Rios and Central and Southern Cordoba 500 to 800 kilos per hectare. The largest item in the United Kingdom's pur-

chase of Argentine oilseed products is 100,000 tons of linseed oil.

Argentine Import Restrictions.—Information has been received from Buenos Aires regarding new import restrictions imposed in Argentina. Import quotas have been established in Argentina, among others, for the importation of tooth-brushes, certain kind of combs, citric acids, sulphur, and calcium carbide. The whole of the quotas has been reserved for the Institute for the Promotion of Interchange, to be introduced either direct or through registered importers. In announcing this policy, the Central Bank statement refers to the necessity of making the best possible use of the funds accumulated abroad and which will become available for purchases in various countries.

Cinchona Stocks in Netherlands E.I.

1,500 tons of cinchona bark, equivalent to about 105 tons of quinine sulphate was found in Bandoeng, Java, states the U.S. "Foreign Commerce Weekly." Similar stock piles are expected to be discovered in other parts of Java and in Sumatra. Recently 5,000,000 quinine tablets and 12 tons of quinine powder were found in Malaya. The latter were presumably shipped across the Malacca Straits by the Japanese during the war, but were not distributed because of transport difficulties. The greater part of these preparations will have to be reprocessed before being used. The quinine manufacturing plant at Bandoeng, which had been damaged by the Dutch before enemy-occupation, was fully repaired by the Japanese.

Expansion of Indian Chemical Industry.

—India's chemical industry is expanding, and research on the production of many lines from materials available in the country is increasing. A new company has been floated in Travancore, to be known as Fertilisers and Chemicals Ltd., and on completion, the plant will rate among the largest of its kind in the world. In Kashmir, the Government has instituted an industrial research laboratory which will be devoted to exploring such problems as the manufacture of tartaric acid from tamarind, oxalic acid from sawdust, tannic acid from myrobalan, sodium glycocholate from ox gall and insulin from ox pancreas. The Alembic Chemical Works in Baroda has been experimenting on the manufacture of alkaloids such as morphine, codeine, strychnine and caffeine. Factories in this State are already producing sulphuric acid, liquid soaps, soluble oils, varnishes and polishes.

BUSINESS QUERIES AND ANSWERS

Subscribers are invited to address inquiries to the Editor on problems of management accounts, stock-keeping, taxation. To ensure that no information of a confidential nature is disclosed to a competitor, replies will be given under initials or a pseudonym. If it is necessary to forward documents, copies only and not originals should be sent.

Cash Trading

"Recently I opened two retail shops where sales of chemists' sundries are transacted on a strictly cash basis, and as separate books are not kept on the spot I shall have to make the necessary accounts from returns sent in to me. I should be pleased if you would give examples illustrating the procedure.—H. D."

A weekly sales return should be made out by each branch manager, giving details of the cash received and paid away, and a typical pattern of return is reproduced below:—

Sales Return

.....Branch				Week ended .....19.....			
Date	Receipts	Shop Takings			Date	Payments	£ s. d.
		£	s.	d.			
Monday	Sundry expenses, as per	...	...
Tuesday	attached statement	...	...
Wednesday	Cost of direct purchases, as	...	...
Thursday	per attached list...	...	...
Friday	Wages, as per schedule	...	...
Saturday	Cash paid to bank	...	...
					Cash in hand	...	...
		£				£	

Particulars of all goods and articles supplied to the branches may be entered in the sales book kept at head office, the amounts being debited to each branch on the departmental principle. The cash representing shop takings should be debited in the head office cash book and credited to the particular branch account, whether the cash is paid to bank, remitted to head office, or retained at the branch. The amounts representing expenses, purchases, and wages should be shown in the head office cash book, and posted to the debit side of the branch account. Sums paid to bank should be verified with the figures shown in the pass book or bank ledger abstract, and the balance of cash in hand at the end of the week must be carried forward to the receipts side of the following week's sales return. A statement of expenses, a list of direct purchases, and a schedule of wages paid out should be attached to each return as vouchers, and, where possible, receipts should be produced in support of the payments.

Balancing the Books

"At the date of stocktaking I presume it will be necessary for me to prove the correctness of the entries in my set of books before attempting to arrive at the amount of profit made. Would you please outline the usual procedure, and show how the various books and balances should be treated?—H. L."

The accuracy of the records must be verified by preparing a trial balance, and there are two ways of doing this. One consists of casting the debit and credit sides of each account and listing these totals; the

other, and better, method is to find the balance of each account and make a list of these balances, debits being inserted in one column and the credits in another column. The accounts of customers and debtors can be ruled off by writing in the balance on the credit side, in each instance, and bringing down the balance as the first item to commence the following period. The accounts of creditors and suppliers should be balanced in a similar manner, but if the ledgers have not been kept on the self-balancing principle this will be more difficult.

A good deal will depend on the accuracy of the stock figure, and the stocktaking should be conducted in a manner which will avoid any undue inflation or deflation of the profit balance. When assessing the value of creams, lotions, powders, and fancy goods, etc., the quantities in each shop or room should be called out by one assistant and set down on the stock sheets by another. Assets such as screens and wall fittings, mirrors, lamps, apparatus, machines, etc., for which separate accounts have been

opened, must be excluded from the stock, as also must any goods which may have been sold to customers and recorded in the sales book on or before the balancing date, but which have not yet been delivered. When all the stock on hand has been set down on the sheets, each item will have to be priced, the usual basis being the cost price. Where the prevailing market price has dropped below actual cost it is safer to show the items at the current wholesale price level, but temporary increases in market prices should be disregarded. Materials which have become soiled or damaged can be priced out at an estimated value, but old stock of an unsaleable nature should not be priced. To allow for discounts granted off the invoiced prices for prompt settlement of accounts, a small percentage may be deducted from the total gross value of the stock.

To balance the set of books the value of the stock on hand at the commencement of the period must be shown on the trial balance as a debit item, the value of the closing stock being recorded in the stock account after the trial balance has been agreed. Where it is the practice to classify the stock under a variety of headings for separate treatment, a number of accounts can be kept, but as a rule one stock account opened in the private ledger will be sufficient. If no errors have been made in any postings or additions, the total of the debit balances shown on the trial balance will correspond to the total of the credit balances, and the following specimen indicates the usual method of compilation:—

Trial Balance

June 30, 1946

	Debit	Credit
Cash in hand	30 3 4	
Bank balance	217 16 3	
Sundry debtors	115 19 6	
Trade creditors		231 17 9
Proprietor's capital account		2,747 10 0
Proprietor's drawings		
account	400 0 0	
Freehold property	1,750 0 0	
Furniture and fittings	210 10 0	
Shop front, fixtures, etc.	157 15 0	
Machines and apparatus	139 17 6	
Van and cycles	75 18 6	
Stock—June 30, 1945	422 12 3	
National Savings-loan a/c		84 8 10
Sales, net		1,963 16 3
Purchases, net	1,036 13 6	
Rates and taxes	59 19 6	
Carriage inwards	35 8 2	
Salaries	352 9 3	
Discounts		42 8 6
Bad debts	3 6 8	
Postages and stationery	20 2 2	
Sundry trade expenses	41 9 9	
£5,070 1 4		£5,070 1 4

MISCELLANEOUS INQUIRIES

Formulas given below may have been prepared for overseas subscribers and the inclusion of substances therein is no indication that they are available in Britain or, if available, permitted to be used.

Block Face-powder by Wet Process.—

J. M. G.—For producing a cake make-up by a "wet" method a suitable procedure is as follows:—

Mineral oil	80
Beeswax	2.24
Stearic acid	13.5
Triethanolamine	1.34
Potassium or sodium hydroxide	0.66

A liquid emulsion is made with the mineral oil, stearic acid, triethanolamine, plasticisers, etc. The binder or mucilage is added, and the whole incorporated in the powder and pigments, placed already in the heavy paste mixer or a "pony" mixer. Larger quantities of the liquid emulsion could be made ahead and stored for daily use. The water should be cut down to a minimum because the paste has to be dried and the less the amount of water the sooner the product will dry. It is best to have the colour and other pigments micropulverised before the liquid emulsion is incorporated, or to have the colours and powders treated in the same way as for making ordinary face powder. By this means the necessity would be avoided of having to run the paste through a colloidal mill. The paste is spread on trays and dried over night. The following day perfume is added and the dried magma is crushed and sifted through a No. 40 sieve; the powder is then ready to press.

Cake Make-up.—W. P.—The following formulas are for two variants of cake make-up of the kind you have in mind:—

I

Zinc oxide	24
Precipitated chalk	30
Talc	18
Petroleum jelly	3
Boro-glycerin mixture	24
Perfume	1

To prepare the boro-glycerin mixture thirty parts of boric acid are dissolved in seventy parts of glycerin. To this the mixed dry materials are added, then the petroleum jelly, and finally the perfume, mixing until smooth.

II

Talc	50
Zinc oxide	20
Precipitated chalk	14
Tragacanth mucilage (3 per cent.)	10
Starch	5
Perfume	1

TRADE MARKS

(From "The Trade Marks Journal,"
November 27)

APPLICATION MADE TO THE CUTLER'S
COMPANY, SHEFFIELD.

Silhouetted device of boar rampant; for safety razor blades (8). By the Rotax Razor Co., Ltd., Nursery Works, Eldon Street, Sheffield, 1. 642,387/7722S.

APPLICATIONS AMENDED AFTER
ADVERTISEMENTS.

Specification No. 642,005 by Ashe Laboratories, Ltd., should be altered so as to read "Pharmaceutical preparations for use in the treatment of liver disorders."

(From "The Trade Marks Journal,"
December 4)

"MA GRIFFE"; for toilet preparations (not medicated) and perfumes (3). By Société à Responsabilité Limitée Carven, 6 Rond Point des Champs Elysées, Paris, France. 641,243.

"MONVAL"; for toilet preparations (not medicated), cosmetic preparations, perfumes, soaps, essential oils, dentifrices and hair lotions (3). By Ste. d'Etudes Scientifiques Techniques et Publicitaires, 8 Rue Jean Goujon, Paris, France. 641,733.

"SILLAGE"; for perfumery, cosmetic and toilet preparations (not medicated) (3). By Financiera de Perfumeria S.A., Avenida A.20, Panama City, Republic of Panama. 642,057.

"JAMAL" in distinctive writing on check design; for toilet lotions and sachets, all for use in waving and curling the hair (3). By Sales Affiliates, Ltd., Elstree Way, Boreham Wood, Herts. 643,285 (Associated).

"FRANDS"; for soap, soap powder and soap flakes (3). By Frances Ruth Smith, 16 Allandale Road, Leicester. 643,442.

"BREZE" on device of leaves being blown off a tree; for breath deodorants (5). By Douglas Walker Products, Ltd., 79 Baker Street, London, W.1. B642,996 (Associated).

"MENOVR"; for pharmaceutical preparations and substances (5). By Clinical Products, Ltd., 2 The Green, Richmond, Surrey. 643,512 (Associated).

"DETTOCIDE" and "DETTOL" on sword device; for pharmaceutical substances (5). By Reckitt & Colman, Ltd., Kingston Works, Dansom Lane, Hull, Yorks. 643,826-27 (Associated).

"MYPEP"; for razors, scissors and knives included in this class (8). By Stanley Rogers, 118 Queen Street, Melbourne, Australia. 639,829.

"MORNING SMILE"; for razor blades (8). By Richards Bros. & Son, Ltd., 202 Broomhall Street, Sheffield. 643,938.

"VENULE"; for medical and surgical syringes (10). By Bayer Products, Ltd., 14 Waterloo Place, Pall Mall, London, S.W.1. 634,405.

"VIM"; for hypodermic needles for export to the United States, Canada, the West Indies and Central America (10). By MacGregor Instrument Co., 904 Highland Avenue, Needham 92, Massachusetts, U.S.A. 640,211 (Associated).

"WHITE-SANISWAN"; for white toilet paper (not medicated); white cleansing tissues (not medicated), white paper towels, etc. (16). By Swan Mill Paper Co., Ltd., 92 Regent Street, London, W.1. 643,059 (Associated).

(From "The Trade Marks Journal,"
December 11)

"FOAMOLON"; for detergent preparations for use as soap substitutes (3). By The British Detergent Co., 42-44 Hill Road, Wimbledon, London, S.W.19. 643,214.

"AMY BLACKBURN OF BOND STREET," with portrait of applicant on label device; for toilet preparations (not medicated) cosmetic preparations, perfumes, perfumed soap, and toilet articles included in this class (3). By Amy Blackburn's Chryzla Beauty Preparations, 16 Old Bond Street, London, W.1. 643,580.

"SUFATOL"; for all goods (3). By Standard Chemical Co., Cheadle Works, Mill Lane, Cheadle, Cheshire. 643,756 (Associated).

"LILPUT"; for preparations and substances for laundry use; cleaning, polishing and scouring preparations, and soaps (3). By Leon Dell, 58 Sevington Road, Hendon, London, N.W.4. 644,024.

"GADABOUT"; for perfumes and toilet preparations (not medicated) (3). By R. Desvaux & Co., 1 Shorrolds Road, Walham Green, London, S.W.6. 644,089.

"HAVOC"; for preparations for killing weeds and destroying vermin (5). By Keystone Chemical Co., Ltd., 16 St. James's Street, London, S.W.1. B641,228.



Over the hill...

A supplement of vitamin B₁ is often effective in overcoming anorexia after illness, and the convalescent whose appetite is thus restored will soon be on the road to good health.

Vitamin B₁ is available in a concentrated and palatable liquid form: 'Betaxan' Elixir contains 0.675 mg. B₁ per teaspoonful—an 8 oz. bottle will last a month.

'BETAXAN' **ELIXIR**

P.A.T.A. DISPLAY TERMS

Bottle of 8 oz. (2/4 nett) sells at 3/6 plus 5d. p.t.
Bonus of 13 to the dozen in return for window
or counter display.

'Betaxan' is a trade mark
(brand of aneurin hydrochloride)

BAYER PRODUCTS LIMITED · AFRICA HOUSE · KINGSWAY · LONDON · W.C.2

BROMIDES

(Ammonium, Potassium, Sodium B.P.)

regularly available for export to
all markets

produced by

PALESTINE POTASH LTD.

Registered Office :

13 Mansfield Street, London, W.1

Submit enquiries to :

THE SOLE SELLING AGENTS:

C. TENNANT SONS & CO. LTD.

ONE of the TENNANT Group of COMPANIES

4 COTHALL AVENUE, LONDON, E.C.2

Telephone :
Monarch 7741

Telegrams :
Tennants, Stock, London

GUMS

Acacia

Tragacanth

Karaya

Benzoin

Copal

Mastic

Damar

SHELLACS

and
WAXES

Japan Wax, White
Bees Wax, Candelilla
Wax, Carnauba Wax
In natural and powder
form

Official Agents:

ANGELO BROS. LTD

SHELLACS

A. F. SUTER & CO., LTD.

15 Philpot Lane,
London - E.C.3.

Phone: MANSION House, 2274/5

Roura & Forgas, Ltd.

QUICKSILVER

1/5 BROAD STREET PLACE
LONDON, E.C.2

Telephone Nos.:
LONDON WALL 5191/2

BURNSIDE'S EUCALYPTUS OILS

Distilled in Australia by the largest distillers and refiners of Eucalyptus Oils
in the world—W. K. BURNSIDE, PTY., LTD., MELBOURNE, AUSTRALIA.

80/85% B.P.
Oil Euc. Dives 40/45%
Oil Euc. Citriodora

70/75% B.P.
Piperitone 90/95%
Oil Euc. Phellandra

... Phellandrene ...

UNIFORMITY OF QUALITY . CONSISTENCY OF ODOUR

Agents for U.K.: **WILSON & MANSFIELD LTD., 15 Philpot Lane, London, E.C.3**

*Phone: MANSION HOUSE 9264-5-6

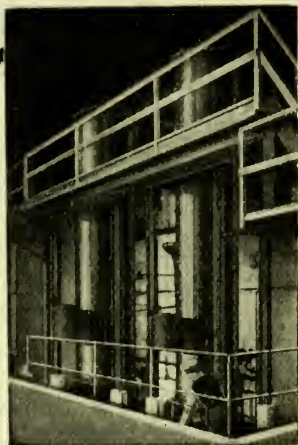
(WHOLESALE ONLY)

*Grams: WYFIELD, LONDON

*An impression of one of
our Quinine Extraction Plants
(Our own design)*

JARVIE *for* Quinine

Established 1892



H. JARVIE & COMPANY LIMITED COATBRIDGE SCOTLAND

Export Dept., 10, Portman St., London, W.1.

ERNEST M. SINGER

5, Whittington Avenue, E.C.3

Telephone: MANsion House 6666

MENTHOL crystals.

CAMPHOR powder,
tablets and slabs:

GUMS Kordofan,
Karaya, Tragacanth, etc.
(whole and powdered)

**ESSENTIAL O'LS, DRUGS.
WAXES, SHELLAC, CHEMICALS**

Import — Export

THE
SYMBOL OF



THE HOUSE
OF SUTTON

W. SUTTON & Co
DRUGGISTS SUNDRIES
LONDON LTD.

*wish all their
Chemist Friends
A Successful
and Prosperous
New Year*



HORSESHOE LANE, CHASE SIDE,
ENFIELD, MIDDLESEX

Telephone ENFIELD 4747 (10 lines)
Telegrams VINAIGRETTE ENFIELD

Bush Beach & Gent Ltd.**BRITISH MANUFACTURED
POTASSIUM SULPHATE**

(Commercial and B.P.C.)

COMMERCIAL GRADE 94/95% —**Practically White**

Available for prompt and early forward delivery.

B.P.C. GRADE

Available for the moment in restricted quantities only. There are priority requirements.

ENQUIRIES INVITED**MARLOW HOUSE, LLOYD'S AVENUE, E.C.3**

Telephones: ROYAL 7077/8/9

Telegrams: Beafredma, Fen, London

Codes: A.B.C. 5th & 6th, Bentley's, Liebers.

Private, Western Union 5 letter edition, Rudolf Mosse.

**FOR
BARKS
ROOTS
HERBS & GUMS****WHOLE
CUT
or POWDERED****TRY—****BROME & SCHIMMER**WHOLESALE DRUGGISTS
BOTANICAL DRUG IMPORTERS
AND SPICE MERCHANTS**4 LEATHER MARKET, LONDON, S.E.1**

Tel: HOP. 0825-6-7 Cables: Bomshim, London

Telegrams: Bomshim, Sedist, London

Specialists in Crude Drugs**LUCULLUS
BRAND****VERMOUTH
HERBS for
Export****CULINARY HERBS
Packets and Bulk
HERBAL SMOKING
MIXTURE**

Bulk Quantity

R. BROOKS & CO.

(R. LUCAS J. L. M. LUCAS)

27 MAIDEN LANE

LONDON, W.C.2

Phone: TEMPLE BAR 9464-2891

Dibutyl Phthalate, Aspirin Powder and Crystals, Caffein Alkaloid BP, Caffein Citrate BP, Bergamot Oil, Lemongrass Oil 70/75%, Cassia Oil, Lavender Oil 38/40%, Jap Peppermint Oil, Aniseed Oil, Anise Seeds, Lanette Wax and Carnauba Wax offered in substantial quantities. We require Glyceryl Mono Stearate; will pay highest market prices or will exchange for any of the above. 122/874, C. & D. Office.

RUPERTO BUSTO**CORNELLA (BARCELONA) SPAIN****Exports**—Rare Ores, Chemicals, Raw Materials, Medicinal Herbs and Roots, Essential Oils, Crude Drugs, Dried Fruits, Seeds.**Imports**—Chemicals, Metals, Raw Materials, Drugs, Spices, Colonial Products.**— BOTTLES —****FOR THE
HOME TRADE**

(Medicinal Products Only)

Obtainable from

CONSOLIDATED GLASS LIMITED,
17 Collingham Gardens, London, S.W.5.
FROBISHER 2716

NATIONALLY ADVERTISED

bandbox
shampoo

This is the curl that's causing comment. You—and your customers—will see it advertised in all the leading newspapers . . . it's the new motif for bandbox—the really scientific soapless shampoo. Bandbox advertising, strikingly unusual has already won the hearts—and hair—of women throughout the country.

Terms are generous . . . 33% on every sale. Retail at 2/- (4-oz. size), 162/- per gross. 7/6 (16-oz. size), 51/- a dozen. Plus P.T.

Ashe scientists originally created a special formula for cleansing human hair clippings from which the important biological chemical Cystine is extracted. Scrupulous cleanliness, without injury to the most sensitive hair, was essential. Now, this very special shampoo is available to you under the name Bandbox.

Ashe Laboratories Ltd. 120/22, Victoria St. S.W.1, and at Liverpool and Glasgow

Make sure you get

Your Share

of this

GROWING DEMAND



1943



1944



1945



1946

VALDERMA has established itself as the leading antiseptic balm and the demand is still growing. This demand will be maintained (a) because Valderma is a first-class product (b) because powerful and consistent advertising is seen by over 35,000,000 people every month! Make sure you get your share of this good business by always keeping a good stock of Valderma in hand.

VALDERMA

ANTISEPTIC BALM



ORDER TODAY. STANDARD SIZE 2/- a jar including tax Trade price 15/- per doz. Purchase Tax 2/6 per doz. **LARGE SIZE 3/6** a jar, including tax. Trade price 26/- per doz. Purchase Tax 4/4 per doz.

DAE HEALTH LABORATORIES LTD., 25/27, BERNERS STREET, LONDON, W. 1.

If You're out of One Recommend the Other

In these days, when, do what we will, we cannot always cope with demand, there is an added advantage in the two kinds of Parmint and their three sizes.

All our press advertising features both Parmints and mentions all their prices.

At the moment the 1/5 ready for use Parmint Syrup is in short supply. If you are temporarily out of stock, recommend your customers to take a 2/10 bottle or a 3/1½ bottle of the Parmint Concentrated Essences.

Both are both

PATA

and



PARMINT

Concentrated Essences

and

PARMINT SYRUP

INTERNATIONAL LABORATORIES
LIMITED

1-3 SMEDLEY ST., LONDON, S.W.8



GLASS CONTAINERS *
FOR ESSENTIAL PURPOSES



WHOLESALE ONLY

DISPENSING
EMBROCATION
FEEDING, MILK
POISON, SAUCE
EMULSION, JAM
ETC., ETC.

LAX & SHAW LTD.

Regd. Office: ALBERT GLASS WORKS, HUNSLET, LEEDS. Tel: 21568. Grams Feeders,
London Office: 29, LUDGATE HILL, E.C.4. Tel. City 7170. Phone, Leeds

FOR SUPREME ACCURACY

Insist on—

BRANNAN THERMOMETERS

ALL TYPES—
CLINICAL
HOUSEHOLD
INDUSTRIAL
ETC.

OF
BRITISH
MANUFACTURE

S. BRANNAN & SONS
LTD.

FOREST HILL, LONDON
S.E.23

TEL. - - FOREST Hill 3414/5



Accuracy in Calibrating

The accurate calibrating of PYREX Brand Glassware is an art in itself. Here we see the calibrating of PYREX Brand Measuring cylinders. Each cylinder is first filled with water, each level being carefully marked off with a hair line. The cylinder is then waxed, put into the dividing machine, and the levels are marked off on the wax coating with a needle. By means of a quadrant, controlled by a skilled operator, the divisions are then subdivided and marked off into Mls. with perfect accuracy. Finally, the calibrations are clearly etched on the cylinder with acid.

Note: For everyday laboratory work, PYREX Brand Graduated Glassware is calibrated to NPL class B standard, but for more meticulous analysis or intricate research work, NPL class A can be supplied, at the appropriate extra cost.

PYREX Brand Graduated Glassware is supplied only through Laboratory Furnishers, but illustrated catalogue and two free copies of our Chemist's Notebook will be sent direct on application to us.

PYREX

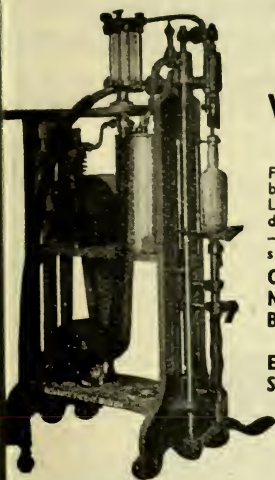
REGD TRADE MARK BRAND

GRADUATED GLASSWARE

made by

James A. Jobling & Co. Ltd.
Wear Glass Works, Sunderland.

G.46.C



ROBERTS' PATENT "LEO" VACUUM FILLER

Fills all sizes of
bottles with
liquids from
drachm to quart
—long, short or
sprinkler neck.

Clean & Rapid
No Over Filling
Broken Bottles
Rejected
Easy to clean
Self Rinsing

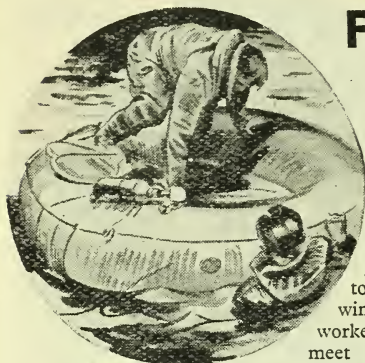
Write for
Particulars

Roberts' Patent Filling Machine Co. Ltd.

BOLTON, LANCASHIRE

Makers of every description of Bottle Filling and Shallow Jar
and Tin Filling Machine for the Chemists' use

ALL RIGHTS RESERVED



FROM RUBBER DINGHIES BACK TO...

Just as Dunlop helped to equip the services to win the war, so their workers and plant will again meet the needs of the day by resuming the production of the famous range of Dunlop hot water bottles. Obtainable from your usual factor or wholesaler, when supplies are available.



DUNLOP HOT-WATER BOTTLES

DUNLOP RUBBER CO. LTD., General Rubber Goods Division, Cambridge Street, Manchester.

46 GRG/21

FOR BETTER SALES



Sale Makers **THOMAS WARD & SONS, LTD.**
Wardonia Works Sheffield, I.

Beautiful BOTTLES and JARS

Plastic or metal caps, sizes up to 10 oz., wide and narrow mouth. Prompt delivery of unlimited quantities.

POPLAR GLASSWORKS LTD., 41 Sackville Street, London, W.1 - Tel.: REGent 7200 (10 lines)

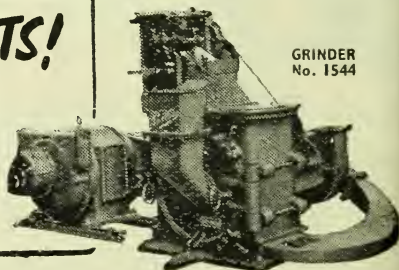
All types of High Class machinery for fine chemical cosmetic and similar trades, including laboratory equipment.

REED BROS. (Engineering) LTD.,
Bevis Marks House, London, E.C.3.
Telephone: AVENue 1677-8

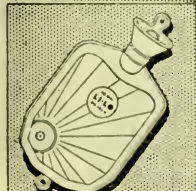
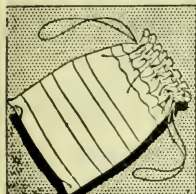
CALL IN THE EXPERTS!

The best way to ensure satisfaction in grinding is to call in the experts—Porteus. Not only do they know what exactly is required, but they can and do invariably advise on the best type for the job in hand. Lengthy experience in design and construction is at your service—why not write now!

GEORGE PORTEUS & SONS (Leeds) LTD.
LEEDS BRIDGE WORKS, LEEDS, 10

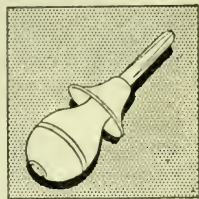
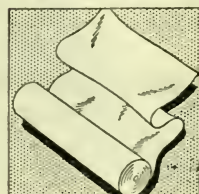


GP7a

**LI-LO
NEWS***for the Pharmacist who retails***SUPERIOR
SURGICAL GOODS****HOT WATER BOTTLE****SPONGE BAG**

We are glad to be able to announce that early in 1947 we shall again be able to supply you with our well-known surgical goods. All the most successful pre-war lines are again going into production and new items being introduced include the **LI-LO Whirling Spray** and "Travellette" Spray. The trade-mark "A **LI-LO Product**" is your guarantee of the quality and dependability of all these goods.

P. B. COW & COMPANY LIMITED. (ESTABLISHED 1836)
12 HAY HILL, BERKELEY SQUARE, LONDON, W.1.
Tel: Regen 7401 (10 lines)

**RUBBER BABY PANTS****WHIRLING SPR 1"****CUT AND BED SHEETING**

TO WHOM IT MAY CONCERN
Brooks Rupture Appliances:
WARNING!

The name "BROOKS" is registered as the Trade Mark of the Brooks Appliance Co., Ltd., for use in connection with Rupture Appliances. Injunctions have been granted by the High Court of Justice restraining Traders from passing off Rupture Appliances or imitating the manufacture of the Brooks Appliance Co., Ltd., as if they were the Brooks Appliances manufactured by such Company and from using the term "Brooks pattern" or the word "Brooks" in connection with such appliances.

Brooks Rupture Appliances are obtainable only from the sole suppliers, Brooks Appliance Co., Ltd., 80 Chancery Lane, London, W.C.2, and Hilton Chambers, Hilton Street, Manchester.

**GYNOMIN**

REGD. TRADE MARK

**The Scientific
Contraceptive**

Added responsibilities and changed social conditions account for the increasing interest taken in

PLANNED PARENTHOOD

KEEP ADEQUATE STOCK.
WRITE FOR SPECIAL TERMS.
LITERATURE ON REQUEST.

COATES & COOPER LTD.
NORTHWOOD
MIDDLESEX
ENGLAND



OUR PUBLICITY
WILL BRING NEW
CUSTOMERS TO
YOUR PHARMACY

RETAILS AT
3/6
PER TUBE
OF 12 TABLETS



Dr. Herbert's FOOT APPLIANCES

- ARCH SUPPORTS
- HEEL GRIPS
- FOOT BANDAGES
- INSOLES

Made in a wide range of standard and adjustable fittings.

Prompt attention given to special orders and Doctors' prescriptions.

Write for full particulars
to the Manufacturers:—

**EMSA WORKS & HERBERT FOOT
APPLIANCE LTD.**

Paterson Street, Blackburn, Lancs.

Teats for Feeding Bottles
Medicine Droppers
Nipple Shields
Finger Stalls *Leather and Rubber*
Cot Sheets
Watch Spring
Pessaries

ESCO (RUBBER) LTD

99 Kingsland High Street
London - E. 8

Tel: Clissold 1717 Cables: Shupax London

VELVEX

REGD. TRADE MARK

TOILET PAPER

*Now pre-war
quality & reduced
in price!*

PACKETS 1/-

ROLLS 1/3

VELVET
CREPE PAPER CO. LTD
PRODUCT

VELVET CREPE
PAPER CO. LTD

TOILET PAPER
TISSUE
HANDKERCHIEFS

2° DYANESE 3° FADELESS DYES

STOCKING (except Black), 16/- gross

CURTAIN & COLD WATER, 24/- gross

(including Black Stocking)

Please order from our Sole Agents

Gr. Britain—W. B. Cartwright, Ltd., Rawdon, Leeds
N. Ireland—T. McMullan & Co. Ltd., 42, Victoria Street, Belfast
Eire—May Roberts (Ireland) Ltd., Grand Canal Quay, Dublin, C.4



Wanie RAZOR BLADES

Supplies are short but definitely worth asking your wholesaler for. Twenty-five years reputation for finest quality still maintain

LONDON AND PROVINCIAL FACTORS LTD

WANIE HOUSE, 230 Tottenham Court Road, LONDON, W.1

TELEGRAMS: WANIEBLADE PHONE LONDON

TEL:
MUSEUM
9646

Have you a
PETS CORNER?



Have you weighed up the idea of making the dogs and cats in your district into customers? Pet welfare is becoming an increasing public interest. Pet owners are consulting experts about the health of their dogs and cats. Every chemist can turn these facts to profitable advantage by stocking George Bell's Blood Salts for Dogs, and Cat Powders

Send for trade price list to

BELL & SONS, LTD., Veterinary Chemists
LIVERPOOL 13

GEORGE

BELLS

BLOOD SALTS *for Dogs*
CAT POWDERS

Death to Flies!

SCOTT'S
D.D.T.
FLY and MOTH
PAPERS

DESTROY FLIES ON CONTACT

4 1/2 D
EACH

THIS YEAR'S FASTEST SELLING LINE

Scott's D.D.T. Fly Papers will clear a room of flies, gnats, midges, etc., in no time. D.D.T. is absorbed through the pads of the flies' feet which causes death very quickly.

PRICE 36/- PER GROSS

TRADE & WHOLESALE ENQUIRIES INVITED

SOLE MANUFACTURERS:

J. & K. SCOTT,

MANUFACTURING CHEMISTS,

51, SUMMER ROW • BIRMINGHAM, 3.

DISTRIBUTORS: SWINNERTON'S
HIRE OAK WAREHOUSE • STONNALL • WALSALL.



John Gosherton & Co Ltd
Famous since 1909

GAYFORD ROAD LONDON W12 SHE 326 (FIVE LINES)

PACKING SERVICE

We have the factory space and the machinery - Let us share your work and problems.

1. Powders and Liquids packed.
2. Raw material supplied if required.
3. Distribution undertaken if required.
4. Any quantity handled.
5. Guaranteed confidential service.

Write for details
Quotations given free

RODMILL CHEMICAL CO. LTD.

St. Anne Street, Liverpool 3.

TELEPHONE . . . NORTH 1393.

**PUBLIC
GOODWILL**

Box's Pills have kept this
Flag Flying for over 50
years and the demand now
is greater than ever.

P.A.T.A.

PRICES
(Inc. P. Tax)

1/3 3/-

4/10½

12/- & 21/9



Box's Pills

W. H. BOX
181
KING STREET,
PLYMOUTH

BEAR

BRAND

HONEY

BULK AND PACKED

FOR MANUFACTURING
AND TABLE USE

L. GARVIN & Co. Ltd.

BRANCH

THE BEAR HONEY CO. LTD.

ISLEWORTH, MIDDLESEX

Hounslow 3483/4



Grape sugar, phosphates and vitamins are all contained in Winox—not only a wine but a predigested food acceptable to enfeebled digestions. Because supplies are short, please help us to reserve available stocks for invalids *only*.

WINOX

THE MEAT AND MALT WINE

BEAUFOYS WINES LTD., VILLIERS ROAD, KINGSTON.

Sole distributors to the Pharmaceutical Trade:

BROOKS & WARBURTON LTD., 232 VAUXHALL BRIDGE RD., S.W.1.



ARGOTONE + DELTAMIN

NASAL & EYE DROPS

MIGRAINE TABLETS

RONA LABORATORIES LTD., 159 Finchley Rd., N.W.3.

TABLET TUBES

Enquiries invited from Home & Export Buyers

GLASS CONTAINER CO., 21 HAYES LANE,
KENLEY, SURREY.

Works : 25-27 Mersey Street, Liverpool, 1.



**PRITCHARD'S
TEETHING POWDERS**

(APERIENT)

**PRITCHARD'S
COOLING POWDERS**

(NON-APERIENT)



1/3 (20 Powders). 6/- (96 Powders) Inc. Tax.
The 6/- Size Sold at 1d. each—Good Profit.

Pritchard's Ltd., Cheadle, Cheshire, Eng.

**Every Cough
is a Call★
for**

KAY'S
LINSEED COMPOUND

★ To enable you to satisfy more of the "calls" at your own counter, preference in production is given to the 1/5 size, and supplies of the 3/5 size may be intermittent.

PATA

SANGENE

Brand

PRODUCTS

announce that their

★ **ANTISEPTIC INFANTS
DUSTING POWDER** ★

in Sprinkler Tins is a
delightfully packed

NURSERY REQUISITE

Distributed by S. MAW, SON &
SONS, LTD. of NEW BARNET



SANGENE PRODUCTS LTD

MONUMENT BUILDINGS,
11/15 Monument Street, London E.C.3.

'Phone: MAN, 2712

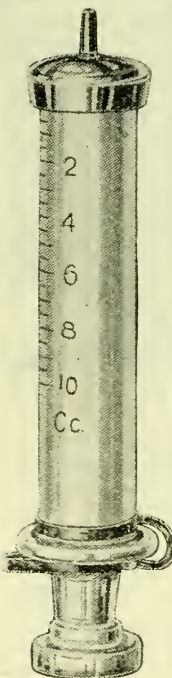
'VIM'

**NEEDLES
DESERVE**

Milward's **VIM**
REGD. TRADE MARK

SYRINGES

RECORD FITTING



The 'Good Point' in Vim Needles has many counterparts in Vim Hypodermic Syringes. These include—special 'heat-resistant,' 'slow-ground' glass; individually mated glass plungers working in individually calibrated barrels; superb craftsmanship; great economy. Limited supplies available. Enquiries welcomed.

SPECIAL NOTICE

With Vim Syringes, sterilization is possible by AUTOCLAVING—one of the methods recommended by the Medical Research Council in War Memorandum No. 15.

SAMPLE NEEDLE and particulars from Chas. F. Thackray Ltd., Park St., Leeds or 252 Regent St., London, W.1

REPAIR
SERVICE
AVAILABLE

Sizes 1 cc.
to 20 cc.

Chas. F. Thackray
LTD

Sole British and
Empire Distributors
(Except Canada)

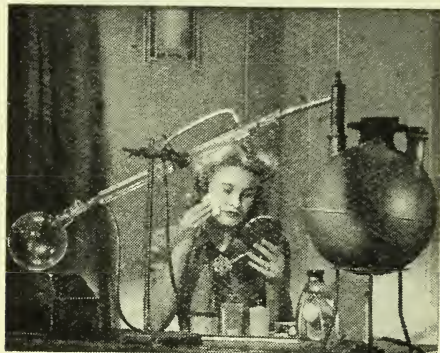
THE OLD MEDICAL SCHOOL
Park St., Leeds 1 Telephone 20085

THERMOGENE VAPOUR RUB



*If you are asked for "a jar of T.V.R."
—this is what is wanted*

Made by the makers of THERMOGENE MEDICATED WADDING



It's Illegal—

Maybe!—to use a distillation apparatus in one's boudoir without a very special permit. The Field organisation, however, with its scientific planning, permits the products of distillation to be used for all fine perfumery and aids to beauty anywhere. Can we offer you our technical help?

Field



PERFUME COMPOUND SPECIALISTS

FIELD & CO. (AROMATICS) LTD., MOUNT PLEASANT, ALPERTON, MIDDLESEX

**For health and
hygiene in the home**



1. Boon Products embody new antiseptics, of higher, more uniform germicidal power than those previously available. 2. New bases enhance the healing efficiency of these antiseptics. 3. Boon Products are pleasant to use, non-poisonous, non-irritant, non-staining. Full particulars (packing, terms, etc.) from the Sole Distributors to the Chemist Trade:—

S. MAW, SON AND SONS LTD.,
Aldersgate House, New Barnet, Herts.
Manfrs: P. A. C. CHEMICALS LTD., EPSOM, SURREY

TEL.: CANONBURY 3401

BUCKLEY BOWKER TABLET CO. LTD.
PARKFIELD STREET, LONDON, N.1
OVER 40 YEARS PRACTICAL EXPERIENCE

COMPRESSED TABLETS **EVERY KIND**
(BULK or PACKED)

PRIVATE FORMULAS COMPOUNDED BY EXPERTS (Strictest Secrecy Guaranteed)

We have specialised for many years in— **CONTRACEPTIVES** (Special Formulas), TABLETS and JELLIES

MODEL C
24/-

The DEEDON
ALL-PLASTICS INHALERS

MODEL B
18/-

Models suitable for :-
 AQUEOUS SOLUTIONS - OILY SOLUTIONS
 INSUFFLATION OF POWDERS

Ideal for the administration of BROVON Inhalant, and Penicillin for inhalation; write for illustrated pamphlet giving details of technique and prices.

GUARANTEED FOR ONE YEAR

MOORE MEDICINAL PRODUCTS LTD ABERDEEN SCOTLAND



RABOK
THE WONDER WOOL
 ★ *Cleans as it Polishes*
 THE MODERN METHOD OF CLEANING
Gold, Silver, Electro Plate, Chromium, Etc.
 USED BY ALL LEADING SILVERSMITHS
Trade Enquiries to:
The RABOK MANUFACTURING Co. Ltd.
 OUGHTIBRIDGE . . . SHEFFIELD

DENTAL STICKS

Almost unlimited stocks are now available of Dental Sticks, including Stimulators, Whalebone Sticks, Hard Wood Sticks, Soft Wood Sticks and Firm Wood Sticks.

Price List and Samples from :
BRITISH DENTAL STICKS LIMITED
 Newcastle-on-Tyne, 4

Dr. JANSSEN'S
 BRAND
TEA & TABLETS

These tonic remedies for figure fitness are in greater demand than ever. National advertising stimulates this demand and makes them ready sellers. Supplies are readily available. If you want to share in this demand write for details of prices and packings.



● Wholesale distributing agents are wanted in most areas throughout the country.

Dr. JANSSEN LTD
 52, BAKER ST. LONDON W.1



A special process of Sulphonate of Alcohols with a P.H.7 value unrivalled for the manufacture of Reconditioning Soapless Shampoo, Hair Tonic, Scalp Lotion, Dandruff Lotion, Foam Bath Fluid, etc. 10/- and 15/- per bottle. Suggested formulas with each order. Special quotations for large quantities

Wood's

OF CLECKHEATON

T. Wood & Son, (Cleckheaton, Ltd.) Syke Works, Cleckheaton. Grams: Phone: Cleckheaton 86. London: 12 Little Newport St., Leicester Square, W.C.2. (rear of Hippodrome). Phone: Gerrard 1793

malnutrition

The marvellous nutritive power of yeast is well known. By adding real value to your food VIRDOX corrects malnutrition, lack of appetite, weariness, digestive troubles, skin affections, anæmia, "nerves." VIRDOX re-energises young and old.

VIRDOX

REGD.

nutrition

Agents appointed for areas not yet represented

VIRDOX, 75 KINGSWAY, LONDON, W.C.2.

Generous direct display terms
for **QUICK-SELLING**

SELTO

Dental Salt

13 TO THE DOZEN—33½% DISCOUNT

Recommended by Dentists in all parts of the Country. Link up with increasing demand on direct display terms—13 to dozen—33½% discount. Bottles 1/10½, retilles 1/7 (inc. tax).



SELTO (Eastbourne) Ltd.
Hampden Park Eastbourne

Order early to ensure supplies of our
two new fast selling lines

ALUM BLOCKS
IN CARTONS

BIL-PINE NEEDLE CRYSTALS
IN CARTONS

BEECHWOOD INDUSTRIES LTD.,
447, CALEDONIAN ROAD, N.7

'Phone North 39 9.

Dr. White's



Manufactured only by
J. F. WHITE & CO., LTD.
Lovington Laboratory, Bermon St., Leeds, 7

Stops SCURF

Dr. Page-Barker's Scurf & Dandruff Lotion

If you find any difficulty in obtaining supplies send us the name of your usual Wholesaler and we will do our best to assist you.

Sole Manufacturers and Proprietors—

ILEX SUPPLY CO., LTD. 252b GRAYS INN ROAD, W.C.1



Trade **18/-** doz.
Plus Tax **ONE SIXTH**
Retail **2/9** **PATA**



HARKUMS
efficacious and
pleasant, with
50% sugar
content —
packed in 1/6
Tins.

Trade Price
10/6 per doz.,
plus Purchase
Tax (16 2/3%) or

46.19.8 per gross. C. W. O.

**QUICK SELLING
SEASONABLE LINES**

UNIVERSALS

3 1/2d. and 6 1/2d. in attractive Display outers.
Trade Price 47/- per gross, plus tax (6 1/2d. size) or £2.12.1 C. W. O. and 25/6 per gross, plus tax (3 1/2d. size) or £1.8.4 C. W. O. IMPROVED BASE.



ROUNDHAY GRANGE
LEEDS 8

**Harcombe
Cooper Sales Ltd**

HOUSEWIVES ARE BEING TOLD
THAT IT'S OATREX FOR



The question of the hour is food and how families can get the most goodness out of available supplies.

OATREX is giving the answer in wide regional press advertising. It is telling how OATREX, prepared from the finest Scottish oats is rich in valuable "OATRITION" for building health and vitality.

Retail selling prices: Medium Ground (Green label) 1 lb and 2 lb. 1/4 and 2/6. Fine Ground (Red label) 1 lb. and 2 lb. 1/5 and 2/8.

A Product of George
King & Co. Limited,
Kingsbury, London,
N.W.9.

OATREX

KINGS FAMOUS PRE-COOKED OATMEAL

Enquiries to Kings of Kingsbury (Sales) Ltd., 1, London Bridge S.E.1

Be Prepared!

MORE and more people, both through our advertising and through their experience, are getting to know that SevenSeaS Cod Liver Oil is the answer to sun-starvation. Add two facts—that 1946 was a poor year for sunshine, and that this is the sixth winter of fat-rationing, and you see why we say—be prepared for a strong run on your SevenSeaS supplies—oil and capsules!

BRITISH COD LIVER OILS (HULL & GRIMSBY)
LTD., ST. ANDREW'S DOCK, HULL, ENGLAND.



EUCRYL LTD
SOUTHAMPTON

ESTABLISHED 1793

ATKINSON & BARKER'S INFANTS' PRESERVATIVE

The Best and Safest Infants' Medicine of
150 years' standing

Does not contain any Scheduled Poison

ROBERT BARKER & SON, LTD.
13 WESLEY ST., C. on M., MANCHESTER

EEZIT

THE "BEST SELLER"
THAT PAYS YOU TO STOCK

TRADE ENQUIRIES INVITED
M. CALTHORPE & CO. LTD.
Manufacturing Chemists, Ossett
SOLE DISTRIBUTORS

POWDERS
AND
TABLETS

ABERDEEN
ACCRINGTON
ALNWICK
ASHTON-UNDER-
LYNE

BANBURY
BARNSTAPLE
BEDFORD
BELFAST
BIRKENHEAD
BIRMINGHAM
BLACKPOOL
BODMIN
BOSTON
BOURNEMOUTH
BRADFORD
BRIGHTON &
HOVE
BRISTOL
BURTON
BURY
ST. EDMUNDS

CAERNARVON
CAMBRIDGE
CASNOCK CHASE
CARDIFF
CARLISLE
CARMARTHEN
CHELTENHAM
CHERTSEFIELD
CONWAY
COVENTRY
DARLINGTON
DARWEN
DENBIGH

DERBY
DONCASTER
DORCHESTER
DUBLIN
DUNDEE
DURHAM

EDINBURGH
EXETER

GRIMSBY
GUERNSEY
HALIFAX
HEREFORD
HUDDERSFIELD
HULL

IPSWICH
ISLE OF MAN

KENDAL
LANCASTER
LEEDS
LEICESTER
LINCOLN
LIVERPOOL
LUTON
MANCHESTER
MENBOROUGH

NEWCASTLE
NEWPORT
(I. OF W.)
NEWPORT (MON.)
NORTHAMPTON
NORWICH
NOTTINGHAM
NUNEATON

PAISLEY
PENZANCE
PETERBOROUGH
PLYMOUTH
PORTSMOUTH
PRESTON

READING
ROTHERHAM

ST. HELENS
SALFORD
SALISBURY
SCARBOROUGH
SHEFFIELD
SOUTHAMPTON
SOUTHEND
SOUTHPORT
STAFFORD
STAMFORD
STOKE
STOURBRIDGE
SUNDERLAND

TAUNTON
TRURO

WAKEFIELD
WALSALL
WHITBY
WINCHESTER
WORCESTER
WREXHAM

YORK

Is your town here ?



MUSTARD OINTMENT

advertising is appearing in these towns now!

GLASGOW
GLOUCESTER
GOOLE
GRANTHAM
GREENOCK

JERSEY
KEIGHLEY

MIDDLESBROUGH
NEWBURY

and EIRE
and LONDON

OBAN
OLDBURY
OLDHAM
OXFORD

To Chemist and Export Merchants

We have to offer a limited quantity of HIGH GRADE American PROPHYLACTICS, made and packed originally for the U.S.A. Forces.

The Brand is 'SILVERTEX' made by the KILLIAN Mfg. Co., Akron, Ohio, U.S.A.

These are first class goods in perfect condition, individually sealed in heavy tin foil, on perforated strips of 6, plain reinforced ends, not teat ends, Beautiful Silky quality and will if necessary keep as packed for years and not lose Elasticity. Particulars from . . .

Sir John Pratt & Co.

Chemists and Druggists Sundries
Wholesale and Export Only

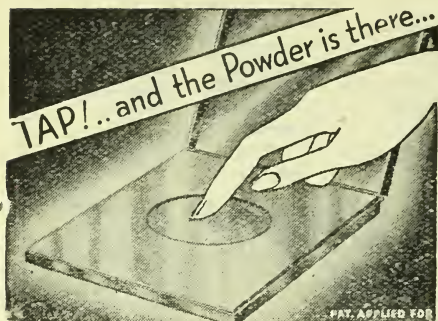
89 Forset Court, Edgware Road
London, W.2 Tel. Paddington 4104



Retail Prices 1/5 & 2/6 inc. Pur. Tax
Cupal margins and discounts

CUPAL LTD.,

Manufacturing Chemist, BLACKBURN



Shake as you will the powder cannot escape — one tap on the disc and Presto! — there is the powder, ready for use.
The "Non-Spill" is finely constructed with no sifter to replace, and finished in a variety of attractive designs.

The New "NON-SPILL" POWDER COMPACT

(BRITISH MADE)
Wholesale, Retail & Export enquiries to
Role Distributors

MADELOX LIMITED

(DEPT. A)

168 CORPORATION STREET, MANCHESTER, 4
Telephone: BLACKfriars 0177/8



ARIEL CURLERS

*Obtainable through your
usual wholesaler*

MADE BY S & D RIVET CO LTD
TEMPLE ROAD, LEICESTER



FOR
PRESTIGE
AND
PROFIT-
SELL

Para Creme
THE CREAM
OF HAIR DRESSINGS

Limited supplies of Paracreme and new attractive display material now available. Retail at 1/9 per bottle. (Inc. Pur. Tax).

CATFORD TOILET SUPPLIES LTD.,
127 Catford Hill, S.E.6, Forest Hill 2332



WYNNOSPRITE

★Perfumers' Quality Spirit

GIVES PERFUME THAT PRE-WAR "PING"

AT LAST — IT LASTS
WITH WYNNOSPRITE IT DOESN'T FADE

NOTE—The scientific compounding of our special ingredients enables you to purchase Wynnospirite without spirit licence or requisition forms.

ANGLO-DUTCH PHARMACEUTICAL CO. LTD.
110 DALE END, BIRMINGHAM 4

HERBALENE

It's worth stocking!

There is an ever increasing demand for HERBALENE, ensured by national advertising and the recommendations of satisfied users. This laxative gently and effectively promotes the natural functioning of the internal system and purifies the blood. It is equally suitable for children and adults.

Retail price: 1/4d. and 2/3d. per packet.

Attractive showcard on request.

LUSTY'S NATURAL PRODUCTS CO.
WESTCLIFF-ON-SEA, ESSEX.

NEOLITE



Luxurious in
fin'ish.
Elegant in style
Captivating in appeal

She's
beauty bound
to buy a **NEOLITE**

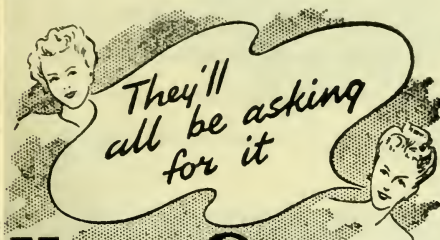
NEOLITE Brushes owe their popularity to the harmony of crystal-clear and pastel colourings which blend with the gleaming silvery nylon bristles.

LADIES' MODEL (Illustrated) RETAIL 37/6 inc. tax
(240/- doz. less 5% cash 7 days, plus 6/4 tax.)

The NEOLITE range also includes Gents' military
Clothes, Children's, Babies' and Complexion
Brushes, Crystal dressing combs to match.

Entirely British • Hand-made • Wi e-drawn

UNIVERSAL BRUSH COMPANY, LUTON, BEDS



HOSE GUARD

A LADDER STOP - NOT A NAIL VARNISH

HOSE GUARD stops ladders instantly, yet the material remains soft; it does not harm the finest stocking or prevent it being invisibly mended.

HOSE GUARD is a chemical solution made especially for hosiery; has been acclaimed by many leading actresses and is nationally advertised.

Supplied in small bottles for the handbag to retail at 1/6d. Attractive display packs ready for your counter containing 2 dozen bottles.

Obtainable from

SALE TILNEY & CO., LTD.
3, LLOYDS AVENUE, LONDON, E.C.3.

TWO ANNOUNCEMENTS

by the

Evan Williams

CO. LTD.

1 REPRESENTATIVES FOR SCOTLAND—To increase our service to you, and facilitate your business with us, we have appointed two special representatives who will personally contact you during the following months as from January 1947. This entirely supersedes the previous arrangement of agency representation.

Edinburgh and East Coast - P. CUTHBERTSON
Glasgow and West Coast - D. MURDOCH

2 PRICE REVISION OF EVAN WILLIAMS WAVE SET—Will all our customers please note that owing to increased manufacturing costs, we shall be obliged to make a slight increase in the price of this popular product. This will in no way affect its value as a first class stocking line.

Basic Wholesale Price - 4/7 per doz. instead of 4/-
(tax 100%).

Retail Price (inc. Tax) 11½d. per bottle instead of 10½d.

**RETAILER'S PERCENTAGE OF
PROFIT FULLY MAINTAINED**

THE EVAN WILLIAMS CO. LTD., Perivale, Greenford
Middlesex

**A
NEW MARKET
for the
CHEMIST**

NOW AVAILABLE



The **BRONCHIAL** *Mixture for* **DIABETICS**

CHEMISTS can now recommend this new preparation to diabetics for the alleviation of Coughs, Colds and Bronchial ailments. It can be taken with perfect safety since it does not disturb the metabolic balance; and it is suitable even for uncontrolled diabetics. Chemist, customer and physician will readily perceive the immense advantages.

ACTIVE INGREDIENTS

Fluid Extract of Bryony Root Aqueous (1:1 with Glycerine 25%)	-	-	-	.05%	Liquid Extract of Ipecacuanha	-	-	-	.1%
Fluid Extract Coltsfoot Herb Aqueous (1:1 with Glycerine 25%)	-	-	-	.15%	Oil of Anise	-	-	-	.02%
Liquid Extract of Squill	-	-	-	.1%	Oil of Peppermint	-	-	-	.02%
					Chloroform	-	-	-	.5%
					Tincture of Quillaia	-	-	-	.02%

*Very low carbohydrate content—less than .31%
Sugar—absent. Direct calorific value—Nil.*

DOSAGE: ADULTS: 2 teaspoonfuls three times daily,
CHILDREN: A proportionately smaller dose.

Trade Price 21/4d per dozen, plus tax • Retail Price 3/0d including tax

Ask your wholesaler or write

ASHLEY & WEEKS LTD

Manufacturing Chemists

MITCHAM ROAD, LONDON, S.W. 17

*Over 100 years of plaister making
experience behind—*



Also



TRADE MARK
EST. 1826

WILMATH REGD.
ADHESIVES AND POROUS

**CROCUS CORN
COMFORT** (REGISTERED DESIGN)

WILLIAM MATHER LTD · DYER STREET · CHESTER RD · MANCHESTER 15
Telephone BLackfriars 6168

Telegrams "Balsamic Manchester"



Resuming Normal Supplies

Although all demands for FELSOL cannot yet be met as quickly as we should like, we are pleased to announce that production is now steadily increasing week by week. Supplies therefore are not so limited as previously and the delays in deliveries caused through war-time hindrances are gradually being overcome.

With the efforts now being made to resume normal supplies, it is hoped that, in the near future, all orders for the standard size will be executed without delay. For the time being the large size must still be reserved for physicians' private prescriptions, hospital and N.H.I. dispensing purposes.

In thanking pharmacists for their patience and co-operation, we again apologise for inconveniences caused by circumstances beyond our control.

P.A.T.A.

BRITISH FELSOL COMPANY LTD

WIGTON HOUSE, 206-212 ST JOHN STREET, CLERKENWELL, LONDON, E.C.1.
Telephone, CLERKENWELL 5862 Cables, 'Felsol Smith, London.



